

POCKET TOURIST GUIDE

Submitted in partial fulfillment of the requirements for
the award of
Bachelor of Engineering degree in Computer Science and Engineering
by

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

SCHOOL OF COMPUTING

SATHYABAMA

**INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)**

Accredited with Grade “A” by NAA

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

BONAFIDE CERTIFICATE

This is to certify that this Project Report is the bonafide work of **SHREYA AYYAGARI (38110528), SINI T P (38110534)** who carried out the project entitled as **POCKET TOURIST GUIDE** under my supervision from November 2019 to April 2020.

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I **SHREYA AYYAGARI (38110528), SINI T P (38110534)** hereby declare that the Project Report entitled “**POCKET TOURIST GUIDE**” done by us under the guidance of **Mr. Vignesh. R, M.E., (Ph.D.,)** is submitted in partial fulfillment of the requirements for the award of Bachelor of Engineering degree in Computer Science and Engineering.

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ABSTRACT

Tourism is a competitive industry that requires the ability to adapt constantly to customers' changing needs. With the onset of the corona, human interaction is constantly feared and the guides that promise safety do not give accurate information regarding the places we visit. The genuineness is always on the line and tourists tend to take a blind step forward. This paper proposes a pocket tourist guide – a full-stack application that provides comprehensive up to date information along with customized recommendations and services using machine learning algorithms. The application also provides information regarding present covid and vaccinated statistics along with the rules and regulations enforced in the places being visited.

Keywords: Tourism, machine learning, full-stack, covid, recommendations.

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LIST OF ABBREVIATIONS

ABBREVIATIONS	EXPANSION
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MERN	MongoDB, Express, React, Node
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GPS	global positioning system
-----	---------------------------

J2ME	Java 2 Platform, Micro Edition
------	--------------------------------

iOS	iPhone OS
-----	-----------

HTTP	Hyper Text Transfer Protocol
------	------------------------------

API	Application programming interface
-----	-----------------------------------

ML	Machine Learning
----	------------------

JS	JavaScript
----	------------

AI	Artificial Intelligence
----	-------------------------

JSON	JavaScript Object Notation
------	----------------------------

UI	User Interface
----	----------------

NPM	Node Package Manager
-----	----------------------

CHAPTER 1

INTRODUCTION

The industry of tourism and hospitality is one of the largest service industries. It has become one of the major players in international commerce, and represents at the same time one of the main income sources for many developing countries. In 2019, travel and tourism made a total contribution of 9.3 trillion dollars to the global economy. With the covid-19 pandemic, travel and tourism industry is among the most affected sectors impacting economics, livelihoods, public services and opportunities globally. The strict lockdowns have confined everyone in their homes, restricting movement in the hope of getting control over the massive corona virus spread. Now, with several measures enforced and vaccines introduced, the global situation has become better to a certain extent. This has provided people with enough courage to step out of their homes for visiting new places. However, basic human interaction is still feared. The genuineness is always on the line and tourists tend to take a blind step forward. With technology booming, tourists have access to large amount of travel-related information on the Internet. Tourists need to visit various sites to retrieve different information such as booking for accommodation and transportation, planning the itinerary for the place they are going to visit, which requires a lot of effort. Since the information needed is given in different websites, they find it difficult to compare and choose the best option. Even though there are a few websites that compare different travel rates and accommodation services and reviews, they fail to accurately index all the hotels, especially the smaller or less popular ones. In the past decade, there have been several attempts to apply technology to travel services and pervasive problems of information overloads. These systems are working but with outdated technology and separate services, therefore the tourists will still have to use multiple applications. The mobile phone has become a ubiquitous technology, a result of an increase in trend for mobile based applications. The mobile phone being small and easy to carry around, gives

the tourist an advantage when it comes to searching up data “On the go”. This paper proposes a pocket tourist guide- a full stack mobile application that provides comprehensive up to date information along with customized recommendations and services using machine learning algorithms. The application also provides information regarding present covid and vaccinated statistics along with the rules and regulations enforced in the area being visited. A prototype of the proposed application is implemented. This prototype uses APIs for delivering dynamic data to the user and uses machine learning algorithms to provide users with personalized recommendations and services

1.1 OBJECTIVES

Tourism is a competitive industry that requires the ability to adapt constantly to customer's changing needs. The objective of this paper is to provide an end-to-end application to all the users w.r.t the tourism industry. The application is designed to provide information from booking flights to places to visit , along with personalized recommendations regarding hotels and restaurants.

CHAPTER 2

LITERATURE SURVEY

Many papers have been published regarding the application of technology in travel and tourism services.

W. Boulila (2021) et al. presented a paper named GuideMe: A Mobile Application based on Global Positioning System and Object Recognition towards a Smart Tourist Guide. This paper proposes an application that is based on either manual search, using GPS to find the location or by using Deep Learning methods for identifying the image taken by a visitor. All three options are provided in the developed mobile application.

H. Dong (2020) et al. presented a paper named Design and Implementation of Intelligent Tour Guide System in Large Scenic Area Based on Fog Computing. This paper has focused its application based on the basic requirements of smart tourism, and proposes an application based on fog computing. However, Fog Computing has a disadvantage when it comes to security. Thus, the application is prone to experience network and security issues.

Alexander Smirnov (2013) et al. presented a paper named Intelligent Mobile Tourist Guide. In this paper a prototype of the application has been developed using Smart Space infrastructure to facilitate integration of services and internal processes in such complex system.

L. Liu (2012) et al. presented a paper named Android city tour guide system based on Web service. In this paper, three layer architecture of Web development into mobile phone software development is proposed. The three layer architecture, though described as an effective solution does not seem to be on par with today's technology and thus is not so very efficient.

Yaohua Yu (2014) presented a paper named Design and Evaluation of Intelligent Tourist Guide System Based on Mobile Devices. This paper presents the design and evaluation of an intelligent tourist guide system that runs on Android with

GPS feature. Here GPS is used for getting the current location. The application developed is Android based and will not hold for iOS devices.

Jingyuan Yang (2011) et al. presented a paper named Intelligent tourist attractions recommendation system based on cases. This paper describes how to meet the tourist's demands by using web crawlers, perceptual hashing, decision tree modelling and other technologies in city tourist attractions recommendation. However, Use of web crawlers results in increased traffic and thus required high bandwidth and space which would cause issue to the website.

R. Sood (2017) presented a paper named Intelligent mobile based tourist assistance system. This paper describes a module along with an app for tourists which would provide them all the required information about places nearby and provides emergency numbers. The information is provided by the kiosk being installed at different places via BLE Technology. But, BLE Technology cannot hold large data rates and cannot be used for long distance communications which will pose as major drawback for the proposed system.

J. Tseng (2018) et al. presented a paper named Development of Intelligent Tourism Information System Based on Virtual Reality. This paper develops a tourism information system by using virtual reality technology to show the landscape information intelligently by detecting what the user sees.

V. Singh (2014) et al. presented a paper named Web and mobile based tourist travel guide system for Fiji's tourism industry. This paper presents a tourism information system that gives a centralized tourist travel guide system for Fiji where a number of services are available. The proposed system is a centralized system based on web services which provide all necessary information and tools that can be used by tourists to organize their trip.

Michael Kenteris (2006) et al. presented a paper named Developing Tourist Guide Applications for Mobile Devices using the J2ME Platform. This paper presents a mobile tourism research prototype which uses web-based technologies for the creation of portable tourist applications with rich content that matches the users'

profiles. However, this paper uses J2ME, whereas React Native, which is much more efficient and is in trend as it is a cross platform and can be used anywhere.

R. Fatima (2016) et al. presented a paper named Mobile travel guide using image recognition and GPS/Geo tagging: A smart way to travel. In this project, we are making an android based mobile application that can be used as a guide by the tourists. The main function of this application is to recognize a monument or a famous spot from the picture clicked/uploaded by the user and to provide detailed information regarding it.

Alexander Smirnov (2015) et al. presented a paper named Application for e-Tourism: Intelligent Mobile Tourist Guide. The application recommends the tourist attractions that are interested to him/her based on the tourist preferences and the current situation in the region. Attractions and their descriptions & images are extracted from accessible Internet sources.

X. Shi (2010) et al. presented a paper named Tour-Guide: Providing Location-Based Tourist Information on Mobile Phones. This paper presents the architecture and implementation of such a location-based application, called Tour-Guide. Implemented on iPhone, the system is designed to provide tour information services; therefore people can get tour guidance information that they need anytime and anywhere.

A. Maryam (2016) et al. presented a paper named Travel management system using GPS & geo tagging on Android platform. The android project used for acquiring information about particular city's hotels, restaurants, historical places, etc. It will also provide the current location of the user. This application will also be used by travelling agencies to manage their customer trips, acquire information, etc.

CHAPTER 3

AIM AND SCOPE OF THE PRESENT INVESTIGATION

3.1 Aim of the Project:

Travelling from one place to another are usually planned or spontaneous, in either of the two case, safe travel must be assured. There are separate applications to see the places to visit, food , hotels , flights , etc. Why not an application which calculates the overall expenses like in online shopping, you add to cart all products and see the estimated price and then decide if you want to proceed. In our project, the Pocket Tourist Guide consists of everything a traveler needs. We provide places to visit , their details along with flight a, hotels and restaurant details and hence any kind of travellers , let it be a family trip , business or a solo trip, our application will plan a safe visit.

3.2 Scope of the Project:

The future scope of the project is to include regions worldwide and provide a translator tool to help in communication. Also, the application at this point works only with Internet and so the future improvement would be to make sure it works offline and as soon as internet connectivity is established, data gets updated. The basic architecture of MERN Stack technology used in this paper can be further extrapolated to other use cases and web applications.

Chapter – 4

METHODOLOGY

In this chapter, existing systems related to Tourist Guide Application, proposed systems related to Tourist Guide Application and the technologies used to implement the project has been discussed in detail.

3.1 PROPOSED SYSTEM

The proposed system is a full stack application, built using MERN Stack, where the front end portion of the application is built using React Native which is a framework suitable for both Android and iOS systems. MongoDB is used as the database for the application. MongoDB Realm's edge-to-cloud sync and fully-managed back-end services poses as a great advantage in the building and deployment of applications. Google Places API is used to get information about places, which are defined as establishments, geographic locations, or prominent points of interest, etc. The information is returned in the form of HTTP requests. Information regarding the booking of available flights on leading global airlines is taken from Amadeus API. Apart from this, the Amadeus API also gives information regarding the covid-19 rules and regulations enforced in almost 200 countries. Hotel and Restaurant recommendations are delivered to the user using content based filtering algorithm. This comes along with reviews thus, offering the user an almost accurate data regarding the place they want to explore. This application also offers background history and engages the user with local folklore and gossip thus making sure the tourist gets an all-round experience.

3.2 MODULES

The user checks the application for information and updates. This request is passed on to the server. The server either triggers the API or the ML Model for information on the places to visit, flights to book, covid details or for

recommendations on hotels and restaurants to book respectively. These process the request and display the result on the screen for the user to view. The information through APIs is in the form of HTTP requests. This is displayed below in the form of a pictorial representation. The Machine Learning algorithm used for recommendations is called content based filtering algorithm which uses item features to recommend other items similar to what the user likes, based on their previous actions or explicit feedback.

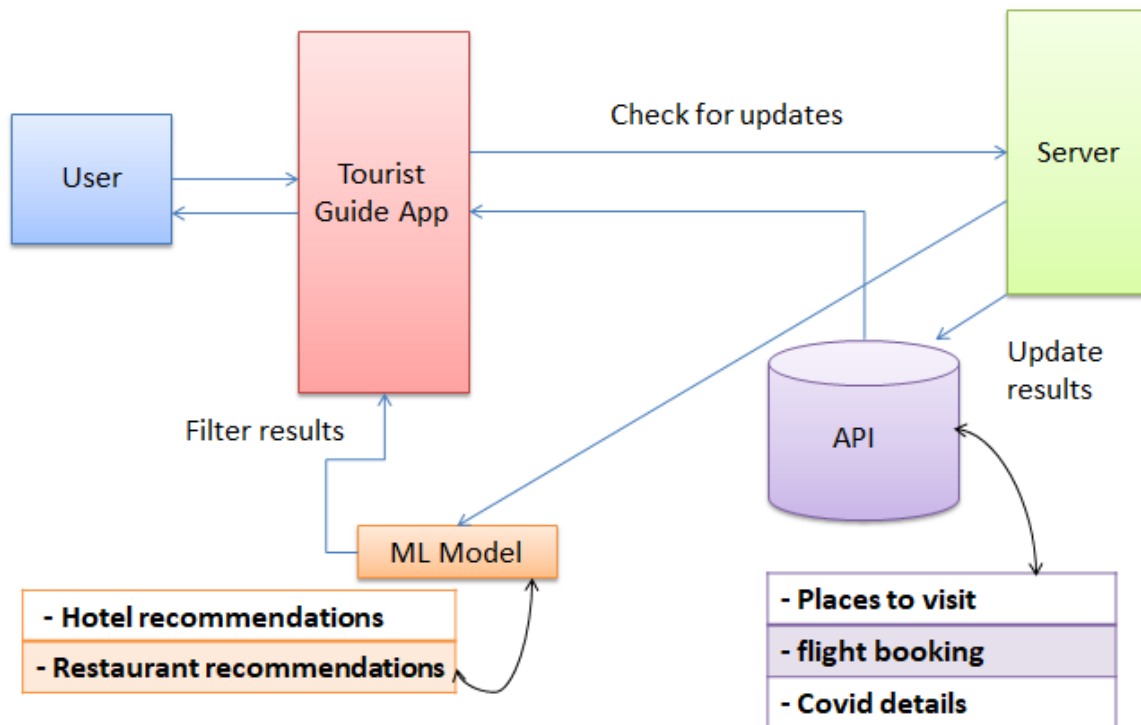


Figure 3.1 System Architecture Diagram

3.2.1 Data

The application contains a part where we recommend Hotels , flights , places and flights. There are different kind of sources of data , in this project , we chose to use two types of data sources as shown in the system architecture diagram given. One, download datasets from websites like Kaggle, which will be a finite number of data, second method is get the API. APIs are keys for data and can be used very

efficiently. In this project , we use Kaggle data for restaurant and hotels and API call for covid details , flight booking and places to visit.

3.2.2 Front End

React Native is a programming framework developed by Facebook that gives developers the ability to create full, native mobile apps for both iOS and Android using a universal programming language called JavaScript. React Native was the best choice because : Saves time and money , Great Performance , Increased Flexibility , Movable , immediate Output and Updates faster.

React Native allows the development of apps consisting of JS code and native by making the bridge between an app and a target platform. When JavaScript has been running along with some native code, the React Native's bridge system leverages the React library and transfers components' hierarchy to the mobile device view.

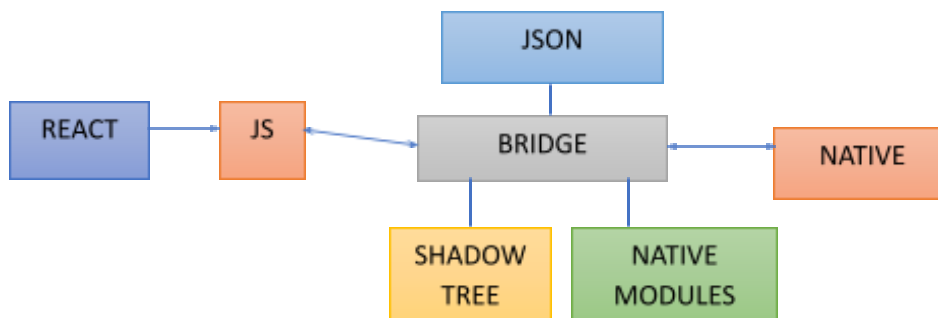


Figure 3.2 React Native Working

Using Expo to overcome the UI limitations of React Native. Expo is a platform with the preinstalled UI components and plugins for React Native-based apps. But when using Expo, it is important to remember that native plugins cannot be used along with Expo ones.

3.2.3 Back-End

The backend is actually the core part of an application. So it needs a lot of care when coding it. A lot of frameworks are there to develop a backend that accepts requests and send responses according to it. The first and most important reason for which you should choose the best backend development program only because it will works faster than others. Moreover, with the help of the best program, you will get the best and number of features.

3.2.3.1 Express.js

Express.js is one of the best backend developments JavaScript Framework. The primary usage of it is creating Restful API's what accept request from frontend and send the appropriate response. Actually Express.js is a JavaScript library and with the help of it, we can build a backend. First, start an NPM project, install Express package, create models, routes, etc. A simple backend server is ready.

There are many benefits of using Express.js as backend , scaling of application can be done quickly , JS is easy to learn , developer cost is less and has supportive Open Source community.

3.2.3.2 Node.js:

Node.js is an open-source, cross-platform, back-end JavaScript runtime environment that runs on the V8 engine and executes JavaScript code outside a web browser. Node.js lets developers use JavaScript to write command line tools and for server-side scripting—running scripts server-side to produce dynamic web page content before the page is sent to the user's web browser. Consequently, Node.js represents a "JavaScript everywhere" paradigm, unifying web-application development around a single programming language, rather than different languages for server-side and client-side scripts. Node.js allows the creation of Web servers and networking tools using JavaScript and a collection of "modules" that handle various core

functionalities. Modules are provided for file system I/O, networking (DNS, HTTP, TCP, TLS/SSL, or UDP), binary data (buffers), cryptography functions, data streams, and other core functions. Node.js modules use an API designed to reduce the complexity of writing server applications.

3.2.3.3 *Mongo DB*

MongoDB is a cross-platform, document oriented database that provides, high performance, high availability, and easy scalability. MongoDB works on concept of collection and document. Any relational database has a typical schema design that shows number of tables and the relationship between these tables. While in MongoDB, there is no concept of relationship. MongoDB is a document database in which one collection holds different documents. Number of fields, content and size of the document can differ from one document to another. MongoDB is used mainly because it document oriented in storage and has rich queries along with lots of professional support from them.

3.2.4. Machine Learning:

Machine learning is a part of AI that gains experience from data and improves its performance and accuracy by the time without being explicitly programmed.

Recommender systems are a type of machine learning algorithm that provides consumers with "relevant" recommendations. When we search for something anywhere, be it in an app or in our search engine, this recommender system is used to provide us with relevant results. They use a class of algorithms to find out the relevant recommendation for the user. For example, if a user listens to rock music every day, his YouTube recommendation feed will get full of rock music and music of related genres. The recommender system is divided into mainly two categories: Collaborative filtering and content based filtering.

3.2.4.1. Collaborative filtering:

Methods for recommender systems that are primarily based on previous interactions between users and the target items are known as collaborative filtering methods. As a result, all past data about user interactions with target objects will be fed into a collaborative filtering system. This information is usually recorded as a matrix, with the rows representing users and the columns representing items.

The basic premise of such systems is that the users' previous data should be sufficient to generate a prediction. That is, we don't require anything other than historical data, no more user input, no current trending data, and so on.

3.2.4.2. Content based filtering:

Content-based filtering is one popular technique of recommendation or recommender systems. The content or attributes of the things you like are referred to as "content." Here, the system uses your features and likes in order to recommend you with things that you might like. It uses the information provided by you over the internet and the ones they are able to gather and then they curate recommendations according to that. The goal behind content-based filtering is to classify products with specific keywords, learn what the customer likes, look up those terms in the database, and then recommend similar things.

This type of recommender system is hugely dependent on the inputs provided by users, some common examples included Google, Wikipedia, etc. For example, when a user searches for a group of keywords, then Google displays all the items consisting of those keywords. The below video explains how a content-based recommender works.

TGuide is an application that also recommends users about the hotels and flights available for that destination at that time. And hence in this application we use the ML algorithm called Content – Based Filtering. This will recommend the users hotels , flights , places and restaurants.

CHAPTER 5

RESULTS AND DISCUSSION

The application is built using MERN Stack which ensures a very efficient and fast system performance. The proposed system design has enabled to provide several features to the tourism sector. The user checks the application for information and updates. This request is passed on to the server. The server either triggers the API or the ML Model for information on the places to visit, flights to book, covid details or for recommendations on hotels and restaurants to book respectively. These process the request and display the result on the screen for the user to view. The prototype developed for initial testing is restricted to India and thus even though the APIs used offer information worldwide, it is not used for initial testing purposes. Tourist's first and foremost problem faced when they visit an unknown place is the lack of information and proper direction. This application offers it all and more.

The future scope of the project is to include regions worldwide and provide a translator tool to help in communication. Also, the application at this point works only with Internet and so the future improvement would be to make sure it works offline and as soon as internet connectivity is established, data gets updated. The basic architecture of MERN Stack technology used in this paper can be further extrapolated to other use cases and web applications.

CHAPTER 6

SUMMARY AND CONCLUSION

6.1. Summary:

Sometimes we plan for a trip months, weeks or days back or a few spontaneous trips are adventurous too, in either of the situation planning a safe trip is essential. The TGuide application is made to plan a safe trip and estimate the expenses approximately. Let it be a business trip or a family trip or even solo trip , TGuide can be helpful in many ways.

Book flights , Hotels , reserve table in a hotel or maybe get a free guide to your destination. Tourists places you never want to miss , Food you never might have tasted , best hotels to stay under your budget , etc. A place is never unknown to you now , you can have an overview of the place you are going to visit before itself and have fun. You can also share your trip to your friends or family. An overall best app to book flights , hotels and check our application user's reviews and photos of the place.

6.2 Conclusion:

'Vacation' is the word that sounds like music to everyone regardless of age. Due to corona, holidays and workdays are all spent inside homes. Now, the situation has become less frightening and lockdowns have been lifted. People are stepping to spend their holidays elsewhere. With this comes loads of planning and packing. As much as a perfect place is important, perfect planning is required to make a trip a hit. Thus comes into picture the pocket tourist guide that provides all details starting from flights to book, to hotels, restaurants and famous places to visit with their history, folklore and local gossip. The application built using MERN Stack promises an efficient and fast system which is the need of the hour.

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- Figure 2: Pages of Application
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APPENDIX

(A) SOURCE CODE:

APP.JS:

```
import React, { useCallback, useEffect, useState } from 'react';
import { View } from 'react-native';
import Nav from './screens/Navbar';
import Home from './screens/HomeScreen';
import Welcome from './screens/Welcome';
import { NavigationContainer } from '@react-navigation/native';
import { createStackNavigator } from '@react-navigation/stack';
import Room from './screens/Room';
import Tamil from './screens/Tamilnadu';
import Chennai from './Chennai';
import Slides from './screens/Slides';
import Sli from './screens/Slides2';
const Stack = createStackNavigator();
const App = () => {
  return (
    <NavigationContainer>
      <Stack.Navigator>
        <Stack.Screen name="TGuide" component={Home} />
        <Stack.Screen name="Book" component={Nav} options={{ headerShown: false }}/>
        <Stack.Screen name="Hotel" component={Room} options={{ headerShown: false }}/>
        <Stack.Screen name = "Tamil" component = {Tamil} options = {{headerShown: false}}/>
        <Stack.Screen name = "Chennai" component = {Chennai} options = {{headerShown: false}}/>
        <Stack.Screen name = "Flight" component = {Slides} options = {{headerShown: false}}/>
        <Stack.Screen name = "Hotels" component = {Sli} options = {{headerShown: false}}/>
      </Stack.Navigator>
    </NavigationContainer>
  );
};
```

```

    </Stack.Navigator>
    </NavigationContainer>
  );
}

```

```
export default App;
```

HOTEL SCREEN:

```

import React, {Component} from 'react';
import {Platform, ScrollView, Dimensions, Text, StyleSheet, View, Image} from
'react-native';
const { width } = Dimensions.get("window");
const height = width * 0.6;

const images = [

  'https://images.pexels.com/photos/1838554/pexels-photo-1838554.jpeg?auto=compress
  &cs=tinysrgb&dpr=2&h=650&w=940',

  'https://images.pexels.com/photos/271639/pexels-photo-271639.jpeg?auto=compress&c
  s=tinysrgb&dpr=2&h=650&w=940',

  'https://images.pexels.com/photos/4916534/pexels-photo-4916534.jpeg?auto=compress
  &cs=tinysrgb&dpr=2&h=650&w=940',

  'https://images.pexels.com/photos/962464/pexels-photo-962464.jpeg?auto=compress&c
  s=tinysrgb&dpr=2&h=650&w=940'
]

export default class Hotel extends React.Component{
  state = {

```

```

    active: 0
  }
  change = ({nativeEvent}) => {
    const slide = Math.ceil(nativeEvent.contentOffset.x /
    nativeEvent.layoutMeasurement.width);
    if(slide !== this.state.active){
      this.setState({active: slide});
    }
  }
  render(){
    return(
      <View style = {style.container}>
        <ScrollView pagingEnabled
        showsHorizontalScrollIndicator= {false}
        horizontal
        onScroll = {this.change}
        style={style.scroll}>
          {
            images.map((images,index) => (
              <Image
                key = {index}
                source = {{uri: images}}
                style = {style.image}/>

            ))
          }
        </ScrollView>
        <View style = {style.page}>
          {
            images.map((i,k) => (
              <Text key = {k} style = {k == this.state.active ? style.Active :
style.text}>●</Text>

```

```

        ))
      }
    </View>
  </View>
)
}
}

```

```

const style = StyleSheet.create({
  container: {
    width,
    height
  },
  image: {width, height, resizeMode:'cover'},
  page : {
    flexDirection: 'row' ,
    position: 'absolute',
    bottom: 0 ,
    alignSelf : 'center'},
  text: {
    fontSize:(width/30),
    color: '#888' ,
    margin: 3},
  Activetext: {
    fontSize:(width/30),
    color: '#fff' ,
    margin: 3}
})

```

FLIGHT BOOKING SCREEN:

```
import React, {useState,Component} from 'react';
```

```
import {Platform, ScrollView,Dimensions,Text,StyleSheet,TextInput, View, Image} from
'react-native';
```

```
const { width} = Dimensions.get("window");
```

```
const height = width * 0.6;
```

```
const images = [
```

```
'https://images.pexels.com/photos/730778/pexels-photo-730778.jpeg?auto=compress&c
s=tinysrgb&h=750&w=1260',
```

```
'https://images.pexels.com/photos/1840142/pexels-photo-1840142.jpeg?auto=compress
&cs=tinysrgb&dpr=2&h=650&w=940',
```

```
'https://images.pexels.com/photos/333525/pexels-photo-333525.jpeg?auto=compress&c
s=tinysrgb&dpr=2&h=650&w=940',
```

```
'https://images.pexels.com/photos/2062462/pexels-photo-2062462.jpeg?auto=compress
&cs=tinysrgb&dpr=2&h=650&w=940'
```

```
]
```

```
export default class Flight extends React.Component{
```

```
  state = {
    active: 0
  }
```

```
  change = ({nativeEvent}) => {
```

```
const          slide          =Math.ceil(nativeEvent.contentOffset.x          /
nativeEvent.layoutMeasurement.width);
```

```

if(slide !== this.state.active){
  this.setState({active: slide});
}
}
render(){
  return(
    <View style = {style.container}>

      <ScrollView pagingEnabled
        showsHorizontalScrollIndicator= {false}
        horizontal
        onScroll = {this.change}
        style={style.container}>
        {
          images.map((image,index) => (
            <Image
              key = {index}
              source = {{uri: image}}
              style = {style.image}/>

            ))
        }
      </ScrollView>
      <View style = {style.page}>
        {
          images.map((i,k) => (
            <Text key = {k} style = {k == this.state.active ? style.ActiveText :
style.text}>●</Text>
            ))
          }

        </View>

```

```

    </View>
  )
}
}

```

```

const style = StyleSheet.create({
  container: {
    width,
    height
  },
  image: {width, height, resizeMode:'cover'},
  page : {
    flexDirection: 'row' ,
    position: 'absolute',
    bottom: 0 ,
    alignSelf : 'center'},
  text: {
    fontSize:(width/30),
    color: '#888' ,
    margin: 3},
  Activetext: {
    fontSize:(width/30),
    color: '#fff' ,
    margin: 3}
})

```

BOTTOM NAVBAR :

```

import { createBottomTabNavigator } from '@react-navigation/bottom-tabs';
import Flights from "../Flights";
import Hotels from "../Hotels";
import Users from "../Users";

```

```

import { StyleSheet , Text, View, Image, TouchableOpacity} from 'react-native';
import Sli from './Slides2'
import Slides from './Slides';
import Post from './Post';
import HomePage from './Home';
const Tab = createBottomTabNavigator();

const CustomTabBarButton = ({children, onPress}) => (
  <TouchableOpacity style = {{
    top: -30, justifyContent: 'center',
    alignItems: 'center',
    ...styles.shadow
  }} onPress = {onPress}>
    <View style = {{
      width: 70 , height: 70,
      borderRadius: 35, backgroundColor: '#e32f45'
    }}>
      {children}
    </View>

  </TouchableOpacity>
);

const Nav = () => {
  return (
    <Tab.Navigator tabBarOption = {{
      showLabel: false,
      style: {
        position: 'absolute',
        bottom: 25,
        left: 20,
        right: 20,
        elevation: 0,

```

```

        backgroundColor: "white",
        borderRadius: 15,
        height: 90,
        ... styles.shadow
    }

}}
>
<Tab.Screen name = "Flight" component = {Slides} options = {{
  tabBarIcon: ({focused}) => (
    <View style = {{alignItems: 'center',justifyContent: 'center', top: 2}}>
      <Image source = {require('../assets/plane.png')}
        resizeMode='contain'
        style={{
          width: 35,
          height: 35,
          tintColor: focused ? '#e32f45' : '#748c94',
        }}/>
    </View>
  )
}}/>
<Tab.Screen name = "Hotel" component = {Sli} options = {{
  tabBarIcon: ({focused}) => (
    <View style = {{alignItems: 'center',justifyContent: 'center', top: 2}}>
      <Image source = {require('../assets/hotel.png')}
        resizeMode='contain'
        style={{
          width: 35,
          height: 35,
          tintColor: focused ? '#e32f45' : '#748c94',
        }}/>
    </View>
  )
}}/>

```

```

        </View>
    )
  }>
  <Tab.Screen name = "TGuide" component = {HomePage} options = {{
    tabBarIcon: ({focused}) => (
      <View style = {{alignItems: 'center',justifyContent: 'center', top: 2}}>
        <Image source = {require('../assets/home.png')}
          resizeMode='contain'
          style={{
            width: 35,
            height: 35,
            tintColor: focused ? '#e32f45' : '#748c94',
          }}/>
      </View>
    )
  }}/>
  <Tab.Screen name = "Explore" component = {Users} options = {{
    tabBarIcon: ({focused}) => (
      <View style = {{alignItems: 'center',justifyContent: 'center', top: 2}}>
        <Image source = {require('../assets/user.png')}
          resizeMode='contain'
          style={{
            width: 35,
            height: 35,
            tintColor: focused ? '#e32f45' : '#748c94',
          }}/>
      </View>
    )
  }}/>

  <Tab.Screen name = "Posts" component = {Post} options = {{ headerShown:
false,
```

```

tabBarIcon: ({focused}) => (
  <View style = {{alignItems: 'center',justifyContent: 'center', top: 2}}>
    <Image source = {require('../assets/plus.png')}
      resizeMode='contain'
      style={{
        width: 35,
        height: 35,
        tintColor: focused ? '#e32f45' : '#748c94',
      }}/>
  </View>
)
  </Tab.Navigator>
);
}

```

```

const styles = StyleSheet.create({
  shadow: {
    shadowColor: "#7F5DF0",
    shadowOffset: {
      width: 0,
      height: 10,
    },
    shadowOpacity: 0.25,
    shadowRadius: 3.5,
    elevation: 5
  }
});

```

```
export default Nav;
```

PLACES DETAILS SCREEN:

```

import React from 'react';
import {
  StyleSheet,
  View,
  Text,
  Linking,
  StyleProp,
  TextStyle, Image,
  ViewStyle, ScrollView
} from 'react-native';
import { Header as HeaderRNE, HeaderProps, Icon } from 'react-native-elements';
import { Card, Button } from 'react-native-elements';
import { TouchableOpacity } from 'react-native-gesture-handler';
import { SafeAreaProvider } from 'react-native-safe-area-context';
import { Paragraph } from 'react-native-paper';

const Tamil = ({navigation}) => {
  return (
    <SafeAreaProvider style = {{backgroundColor:'white'}}>
      <HeaderRNE
        leftComponent={{
          icon: 'menu',
          color: '#fff',
        }}
        centerComponent={{ text: 'TGuide', style: styles.heading }}
      />
      <ScrollView>
        <Image
          style={styles.image}
          source={{
            uri:"https://images.pexels.com/photos/6667282/pexels-photo-6667282.jpeg?auto=compress&cs=tinysrgb&dpr=1&w=500" }}

```

```
    resizeMode={"cover"} // <- needs to be "cover" for borderRadius to take effect on
    Android
```

```
/>
```

```
<Text style={{fontSize: 30, fontWeight: "bold" , marginLeft: 20}}>Tamil Nadu</Text>
```

```
<Paragraph style={{marginLeft: 30}}>    Tamil Nadu is most visited tourist states
destination by both Indian and International tourists. The state is most popular medical
tourism destination in India along with Nilgiri Mountain Railway, Chennai, Ooty,
Kodaikanal and Yercaud hill stations and hottest biodiversity hotspots.</Paragraph>
```

```
<Text style={{fontSize:25,fontWeight: "bold" ,    marginLeft: 20}}>Best Tourist
Places:</Text>
```

```
<ScrollView horizontal={true}>
```

```
<Card style = {{margin: 10}}>
```

```
    <Card.Title style = {{textAlign: "left"}}>Chennai</Card.Title>
```

```
    <Card.Divider />
```

```
    <Card.Image
```

```
        style={{ padding: 0 }}
```

```
        source={{
```

```
            uri:
```

```
'https://images.pexels.com/photos/6667281/pexels-photo-6667281.jpeg?auto=compress
&cs=tinysrgb&dpr=1&w=500',
```

```
        }}
    />
```

```
<Button
```

```
    icon={
```

```
        <Icon
```

```
            name="code"
```

```
            color="#ffffff"
```

```
            iconStyle={{ marginRight: 10 }}
```

```
        />
```

```
    }
```

```

        buttonStyle={{
          borderRadius: 0.3,
          top:6,
          marginLeft: 1,
          marginRight: 1,
          marginBottom: 0, alignItems: 'center',
          backgroundColor:'pink' ,
        }}
        title="VIEW MORE"
      />
</Card>

<Card>
  <Card.Title style = {{textAlign: "left"}}>Pondicherry</Card.Title>
  <Card.Divider />
  <Card.Image
    style={{ padding: 0 }}
    source={{
      uri:

'https://images.pexels.com/photos/8230904/pexels-photo-8230904.jpeg?auto=compress
&cs=tinysrgb&dpr=1&w=500',
    }}
  />
  <Button
    icon={
      <Icon
        name="code"
        color="#ffffff"
        iconStyle={{ marginRight: 10 }}
      />
    }
  />

```

```

        buttonStyle={{
          borderRadius: 0.3,
          top:6,
          marginLeft: 1,
          marginRight: 1,
          marginBottom: 0, alignItems: 'center',
          backgroundColor:'pink' ,
        }}
        title="SEE MORE"
      />
    </Card>
    <Card>
      <Card.Title style = {{textAlign: "left"}}>Mudumalai – Ancient Hills</Card.Title>
      <Card.Divider />
      <Card.Image
        style={{ padding: 0 }}
        source={{
          uri:
            'https://www.nativeplanet.com/img/2018/01/7-1517381277.jpg',
        }}
      />
      <Button
        icon={
          <Icon
            name="code"
            color="#ffffff"
            iconStyle={{ marginRight: 10 }}
          />
        }
        buttonStyle={{
          borderRadius: 0.3,
          top:6,

```

```

        marginLeft: 1,
        marginRight: 1,
        marginBottom: 0, alignItems: 'center',
        backgroundColor:'pink' ,
    }}
    title="VISIT"
  />
</Card>
<Card>
  <Card.Title style = {{textAlign: "left"}}>Dhanushkodi</Card.Title>
  <Card.Divider />
  <Card.Image
    style={{ padding: 0 }}
    source={{
      uri:
        'https://qph.fs.quoracdn.net/main-qimg-5565f3379d32605e33f0994ef95c2c68',
    }}
  />
  <Button
    icon={
      <Icon
        name="code"
        color="#ffffff"
        iconStyle={{ marginRight: 10 }}
      />
    }
    buttonStyle={{
      borderRadius: 0.3,
      top:6,
      marginLeft: 1,
      marginRight: 1,
      marginBottom: 0, alignItems: 'center',

```

```

        backgroundColor:'pink' ,
    }}
    title="SEE MORE"
  />
</Card>
<Card>
    <Card.Title style = {{textAlign: "left"}}>Hogenakkal – Gorgeous
Waterfalls</Card.Title>
    <Card.Divider />
    <Card.Image
        style={{ padding: 0 }}
        source={{
            uri:
                'https://4.bp.blogspot.com/-nW4spuEbX8E/WrZ_AsgKA5I/AAAAAAAAALqs/3rHdi-gaUaE9
                -n2gR19LA4-vvP4AtsyQACLcBGAs/w1200-h630-p-k-no-nu/Hogenakkal%2BFalls.png',
        }}
    />
    <Button
        icon={
            <Icon
                name="code"
                color="#ffffff"
                iconStyle={{ marginRight: 10 }}
            />
        }
        buttonStyle={{
            borderRadius: 0.3,
            top:6,
            marginLeft: 1,
            marginRight: 1,
            marginBottom: 0, alignItems: 'center',

```

```

        backgroundColor:'pink' ,
    }}
    title="SEE MORE"
  />
</Card>
<Card>
  <Card.Title style = {{textAlign: "left"}}>Tuticorin</Card.Title>
  <Card.Divider />
  <Card.Image
    style={{ padding: 0 }}
    source={{
      uri:
'https://www.holidify.com/images/cmsuploads/compressed/24731497462_406e826ce7_b
_20170521143019.jpg',
    }}
  />
  <Button
    icon={
      <Icon
        name="code"
        color="#ffffff"
        iconStyle={{ marginRight: 10 }}
      />
    }
    buttonStyle={{
      borderRadius: 0.3,
      top:6,
      marginLeft: 1,
      marginRight: 1,
      marginBottom: 0, alignItems: 'center',
      backgroundColor:'pink' ,

```

```

    }}
    title="SEE MORE"
  />
</Card>
<Card>
  <Card.Title style = {{textAlign: "left"}}>Kanyakumari</Card.Title>
  <Card.Divider />
  <Card.Image
    style={{ padding: 0 }}
    source={{
      uri:
        'https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcQEBIvtLpG0T-cbslBrowREZD
        woVt0ZE3Im0QLPebf6EGxFUizeYiMF8k-WFNA36dystM&usqp=CAU',
    }}
  />
  <Button
    icon={
      <Icon
        name="code"
        color="#ffffff"
        iconStyle={{ marginRight: 10 }}
      />
    }
    buttonStyle={{
      borderRadius: 0.3,
      top:6,
      marginLeft: 1,
      marginRight: 1,
      marginBottom: 0, alignItems: 'center',
      backgroundColor:'pink' ,
    }}
  />

```

```

        title="SEE MORE"
    />
</Card>
<Card>
    <Card.Title style = {{textAlign: "left"}}>Trichy</Card.Title>
    <Card.Divider />
    <Card.Image
        style={{ padding: 0 }}
        source={{
            uri:
                'https://www.tamilnadutourism.com/images/trichy/card/rock-fort-temple.jpg',
        }}
    />
    <Button
        icon={
            <Icon
                name="code"
                color="#ffffff"
                iconStyle={{ marginRight: 10 }}
            />
        }
        buttonStyle={{
            borderRadius: 0.3,
            top:6,
            marginLeft: 1,
            marginRight: 1,
            marginBottom: 0, alignItems: 'center',
            backgroundColor:'pink' ,
        }}
        title="SEE MORE"
    />
</Card>

```

```

<Card>
  <Card.Title style = {{textAlign: "left"}}>Pollachi</Card.Title>
  <Card.Divider />
  <Card.Image
    style={{ padding: 0 }}
    source={{
      uri:

'https://images.click.in/classifieds/images/147/16_11_2016_07_54_26_7n241heov623dkf
v2t2v6sump2_s5z6rfqehi.jpg',
      }}
    />
  <Button
    icon={
      <Icon
        name="code"
        color="#ffffff"
        iconStyle={{ marginRight: 10 }}
      />
    }
    buttonStyle={{
      borderRadius: 0.3,
      top:6,
      marginLeft: 1,
      marginRight: 1,
      marginBottom: 0, alignItems: 'center',
      backgroundColor:'pink' ,
    }}
    title="VIEW MORE"
  />
</Card>
</ScrollView>

```

```
<Text style={{fontSize:22,fontWeight: "bold" ,   marginLeft: 20 , top: 8 , color:
"#000000"}}>Why visit Tamil Nadu?</Text>
```

```
<Card>
```

```
<Card.Image
```

```
style={{ padding: 0 }}
```

```
source={{
```

```
uri:
```

```
'https://www.caleidoscope.in/wp-content/uploads/2020/12/Tamil-Nadu-Culture.jpg',
```

```
}}
```

```
/>
```

```
<Text style={{ marginBottom: 10 , fontStyle: 'italic'}}> A land of exhilarating and
brehtaking beauty, Tamil Nadu has a distinct place in India.</Text>
```

```
</Card>
```

```
<Card>
```

```
<Card.Image
```

```
style={{ padding: 0 }}
```

```
source={{
```

```
uri:
```

```
'https://www.caleidoscope.in/wp-content/uploads/2020/12/Tamil-Nadu-Culture-01.jpg',
```

```
}}
```

```
/>
```

```
<Text style={{ marginBottom: 10 , fontStyle: 'italic'}}> Tamil Nadu is home to an
ancient history spanning over two thousand years.</Text>
```

```
</Card>
```

```
<Card>
```

```
<Card.Image
```

```
style={{ padding: 0 }}
```

```

        source={{
            uri:
                'https://www.caleidoscope.in/wp-content/uploads/2020/12/Language-in-Tamil-Nadu.jpg',
        }}
    />

    <Text style={{ marginBottom: 10 , fontStyle: 'italic'}}>    Tamil language is amongst
the oldest living languages of the world with its extra-ordinary volume of literature and
grammar.</Text>

</Card>
<Card>
    <Card.Image
        style={{ padding: 0 }}
        source={{
            uri:
                'https://ramadaplazachennai.com/wp-content/uploads/2017/08/Sl.jpg',
        }}
    />

    <Text style={{ marginBottom: 10 , fontStyle: 'italic'}}>    The Tamil Nadu cuisine too
is no exception and offers a wide range of dishes to choose from.

    </Text>

</Card>

<Card>
    <Card.Image
        style={{ padding: 0 }}
        source={{
            uri:

```

'https://www.focuzstudios.in/wp-content/uploads/2017/11/the-hindu-tamil-wedding-photographers-focuz-studios1.jpg',

}}

/>

<Text style={{ marginBottom: 10 , fontStyle: 'italic'}}> Saree and Lungi - Traditional Wear.

</Text>

</Card>

<Card>

<Card.Image

style={{ padding: 0 }}

source={{

uri:

'https://www.caleidoscope.in/wp-content/uploads/2020/12/Cultural-Festivals-of-Tamil-Nadu.jpg',

}}

/>

<Text style={{ marginBottom: 10 , fontStyle: 'italic'}}> The cultural festivals of any state are instrumental in highlighting and celebrating their culture.

</Text>

</Card>

<Card>

<Card.Image

style={{ padding: 0 }}

source={{

uri:

```
'https://www.caleidoscope.in/wp-content/uploads/2020/12/Music-of-Tamil-Nadu.jpg',
```

```
}}
```

```
/>
```

```
<Text style={{ marginBottom: 10 , fontStyle: 'italic'}}> Carnatic Music is the most  
significant part of the Music of Tamil Nadu.
```

```
</Text>
```

```
</Card>
```

```
<Card>
```

```
<Card.Image
```

```
style={{ padding: 0 }}
```

```
source={{
```

```
uri:
```

```
'https://learn.podium.school/wp-content/uploads/2021/03/Bharatanatyam-identification-fe  
atures.jpg',
```

```
}}
```

```
/>
```

```
<Text style={{ marginBottom: 10 , fontStyle: 'italic'}}> Bharatanatyam is perhaps  
the most popular dance form in Tamil Nadu and has gained admirers from around the  
world.
```

```
</Text>
```

```
</Card>
```

```
</ScrollView>
```

```
<View style = {{flexDirection: "row"}}>
```

```
<Icon
```

```
raised
```

```

        name='plane'
        type='font-awesome'
        color='#f50'onPress = {() =>
          navigation.navigate("Flight") } />
      <Icon
        raised
        name='hotel'
        type='font-awesome'
        color='#f50'onPress = {() =>
          navigation.navigate("Hotels") } />
      <Text style = {{top : 13 , left: 25 , fontWeight : "bold" , fontSize: 30}}>Let's
Go!!</Text>
    </View>
  </SafeAreaProvider>
);
};

```

```

const styles = StyleSheet.create({
  headerContainer: {
    justifyContent: 'center',
    alignItems: 'center',
    backgroundColor: '#397af8',
    marginBottom: 20,
    width: '100%',
    paddingVertical: 15,
  },
  heading: {
    color: 'white',
    fontSize: 22,
    fontWeight: 'bold',
  },
  headerRight: {

```

```

    display: 'flex',
    flexDirection: 'row',
    marginTop: 5,
  },
  subheaderText: {
    color: 'white',
    fontSize: 16,
    fontWeight: 'bold',
  },
  image: {
    width: 340,
    height: 200,
    margin: 10,
    borderColor: 'white',
    borderWidth: 2,
    borderRadius: 20
  },
  fonts: {
    marginBottom: 8,
  },
  user: {
    flexDirection: 'row',
    marginBottom: 6,
  },
  name: {
    fontSize: 25,
    marginTop: 5,
  },
});

```

export default Tamil;

USERS SCREEN:

```

import React from 'react';
import {
  StyleSheet,
  View, Image ,
  Text,
  Linking,
  StyleProp,
  TextStyle,
  ViewStyle, ScrollView,
} from 'react-native';
import { Header as HeaderRNE, HeaderProps, Icon , Card , Button} from
'react-native-elements';
import { TouchableOpacity } from 'react-native-gesture-handler';
import { SafeAreaView } from 'react-native-safe-area-context';

type HeaderComponentProps = {
  title: string;
  view?: string;
};

const Header: React.FunctionComponent<HeaderComponentProps> = (props) => {

  const docsNavigate = () => {
    Linking.openURL(`https://reactnativeelements.com/docs/${props.view}`);
  };

  const playgroundNavigate = () => {
    Linking.openURL(`https://react-native-elements.js.org/#/${props.view}`);
  };

```

```

return (
  <SafeAreaProvider>
    <HeaderRNE
      centerComponent={{ text: 'TGuide', style: styles.heading }}
    />
    <ScrollView>
      <Card>
        <Card.Title style = {{textAlign: "left"}}>ShreySin - ✓Verified</Card.Title>
        <Card.Divider />
        <Card.Image
          style={{ padding: 0 }}
          source={{
            uri:
              'https://images.pexels.com/photos/2409681/pexels-photo-2409681.jpeg?auto=compress
              &cs=tinysrgb&dpr=1&w=500',
            }}
        />
        <Text style={{ marginBottom: 10,fontWeight: "bold"}}> 📍 Munnar </Text>
        <Text style={{ marginBottom: 10,fontStyle: 'italic' }}>
          I wish I can explain to you in detail about my experienced but if I do so it will not
          stop me as the experience I've was huge... In short, I will like to tell you that this tour was
          SUPERB... All Sightseeing of Kochi and Munnar was something that words are less to
          described it... Such a wonderful tour.
        </Text>
        <Text>Date of experience: Jan 2014          4.5 ⭐ </Text>
        <Button
          icon={
            <Icon
              name="code"
              color="#ffffff"
              iconStyle={{ marginRight: 10 }}

```

```

    />
  }
  buttonStyle={{
    borderRadius: 0,
    top: 5,
    marginLeft: 0,
    marginRight: 0,
    marginBottom: 0,
  }}
  title="VIEW PROFILE"
/>
</Card>

```

```

<Card>
  <Card.Title style = {{textAlign: "left"}}>Shyam Singha Roy -
  ✓Verified</Card.Title>
  <Card.Divider />
  <Card.Image
    style={{ padding: 0 }}
    source={{
      uri:
        'https://images.pexels.com/photos/2870167/pexels-photo-2870167.jpeg?auto=compress
        &cs=tinysrgb&dpr=2&h=650&w=940',
    }}
  />
  <Text style={{ marginBottom: 10,fontWeight: "bold"}}> 📍 Rajasthan </Text>
  <Text style={{ marginBottom: 10,fontStyle: 'italic' }}>
    So many magical memories. What I really loved was the cohesive and infectious
    enthusiasm of the group energy and the ease because of our highly organized, fun tour
    leader Afshar who took care of our logistics with expertise and caring attention.
  </Text>

```

<Text>Date of experience: Aug 2021 5★</Text>

```
<Button
  icon={
    <Icon
      name="code"
      color="#ffffff"
      iconStyle={{ marginRight: 10 }}
    />
  }
  buttonStyle={{
    borderRadius: 0,
    top: 5,
    marginLeft: 0,
    marginRight: 0,
    marginBottom: 0,
  }}
  title="VIEW PROFILE"
/>
</Card>
```

```
<Card>
  <Card.Title style = {{textAlign: "left"}}>Arjun Reddy</Card.Title>
  <Card.Divider />
  <Card.Image
    style={{ padding: 0 }}
    source={{
      uri:
```

```
'https://images.pexels.com/photos/4430322/pexels-photo-4430322.jpeg?auto=compress
&cs=tinysrgb&dpr=2&h=650&w=940',
    }}
  </Card.Image>
</Card>
```

```

/>
<Text style={{ marginBottom: 10,fontWeight: "bold"}}> 📍 Goa</Text>
<Text style={{ marginBottom: 10,fontStyle: 'italic' }}>
    Catching up the sunset in the scenic beaches, holding up the hands of your loved
    one, taking a long relaxed walk on the sands and of course, not to forget about indulging
    in some rich sea food, it is a pure bliss! What more can you ask for on a holiday??? Goa
    is the perfect destination for people of all the age.
</Text>
<Text>Date of experience: Mar 2019          3.5★</Text>
<Button
    icon={
        <Icon
            name="code"
            color="#ffffff"
            iconStyle={{ marginRight: 10 }}
        />
    }
    buttonStyle={{
        borderRadius: 0,
        top:5,
        marginLeft: 0,
        marginRight: 0,
        marginBottom: 0,
    }}
    title="VIEW PROFILE"
/>
</Card>

</ScrollView>
</SafeAreaProvider>
);
};

```

```

const styles = StyleSheet.create({
  headerContainer: {
    justifyContent: 'center',
    alignItems: 'center',
    backgroundColor: '#397af8',
    marginBottom: 20,
    width: '100%',
    paddingVertical: 15,
  },
  heading: {
    color: 'white',
    fontSize: 22,
    fontWeight: 'bold',
  },
  headerRight: {
    display: 'flex',
    flexDirection: 'row',
    marginTop: 5,
  },
  subheaderText: {
    color: 'white',
    fontSize: 16,
    fontWeight: 'bold',
  },
});

```

```

export default Header;

```

EXPLORE SCREEN :

```

import * as React from 'react';
import MapView from 'react-native-maps';

```

```

import { StyleSheet, Text, View, Dimensions , ScrollView, TouchableOpacity, Image }
from 'react-native';
import { Card, Button, Icon } from 'react-native-elements';

export default function Users({ navigation }) {
  return (
    <View style={styles.container}>
      <MapView style={styles.map} />
      <ScrollView horizontal={true}>

        <Card>
          <Card.Title style = {{textAlign: "left"}}>Tamil Nadu</Card.Title>
          <Card.Divider />
          <Card.Image
            style={{ padding: 0 }}
            source={{
              uri:

'https://images.pexels.com/photos/8230161/pexels-photo-8230161.jpeg?auto=compress
&cs=tinysrgb&dpr=1&w=500',
            }}
          />
          <Button
            icon={
              <Icon
                name="code"
                color="#ffffff"
                iconStyle={{ marginRight: 10 }}
              />
            }
            buttonStyle={{
              borderRadius: 0.3,

```

```

        top:6,
        marginLeft: 1,
        marginRight: 1,
        marginBottom: 0, alignItems: 'center',
        backgroundColor:'pink' ,
    }}
    title="SEE MORE"
    onPress = {() =>
        navigation.navigate("Tamil") }
    />
</Card>

<Card>
  <Card.Title style = {{textAlign: "left"}}>Maharashtra</Card.Title>
  <Card.Divider />
  <Card.Image
    style={{ padding: 0 }}
    source={{
      uri:
        'https://images.pexels.com/photos/11327644/pexels-photo-11327644.jpeg?auto=compress&cs=tinysrgb&dpr=1&w=500',
    }}
  />
  <Button
    icon={
      <Icon
        name="code"
        color="#ffffff"
        iconStyle={{ marginRight: 10 }}
      />
    }
  />

```

```

        buttonStyle={{
          borderRadius: 0.3,
          top:6,
          marginLeft: 1,
          marginRight: 1,
          marginBottom: 0, alignItems: 'center',
          backgroundColor:'pink' ,
        }}
        title="SEE MORE"
      />
    </Card>
    <Card>
      <Card.Title style = {{textAlign: "left"}}>Uttar Pradesh</Card.Title>
      <Card.Divider />
      <Card.Image
        style={{ padding: 0 }}
        source={{
          uri:
            'https://i.pinimg.com/originals/f4/26/17/f426171505382ba368858ecb01d5fa11.jpg',
        }}
      />
      <Button
        icon={
          <Icon
            name="code"
            color="#ffffff"
            iconStyle={{ marginRight: 10 }}
          />
        }
        buttonStyle={{
          borderRadius: 0.3,

```

```

        top:6,
        marginLeft: 1,
        marginRight: 1,
        marginBottom: 0, alignItems: 'center',
        backgroundColor:'pink' ,
    }}
    title="SEE MORE"
  />
</Card>
<Card>
  <Card.Title style = {{textAlign: "left"}}>Delhi</Card.Title>
  <Card.Divider />
  <Card.Image
    style={{ padding: 0 }}
    source={{
      uri:
        'https://images.pexels.com/photos/3492589/pexels-photo-3492589.jpeg?auto=compress
        &cs=tinysrgb&dpr=1&w=500',
    }}
  />
  <Button
    icon={
      <Icon
        name="code"
        color="#ffffff"
        iconStyle={{ marginRight: 10 }}
      />
    }
    buttonStyle={{
      borderRadius: 0.3,
      top:6,

```

```

        marginLeft: 1,
        marginRight: 1,
        marginBottom: 0, alignItems: 'center',
        backgroundColor:'pink' ,
    }}
    title="SEE MORE"
  />
</Card>
<Card>
  <Card.Title style = {{textAlign: "left"}}>Rajasthan</Card.Title>
  <Card.Divider />
  <Card.Image
    style={{ padding: 0 }}
    source={{
      uri:
        'https://images.pexels.com/photos/1011093/pexels-photo-1011093.jpeg?auto=compress
        &cs=tinysrgb&dpr=1&w=500',
    }}
  />
  <Button
    icon={
      <Icon
        name="code"
        color="#ffffff"
        iconStyle={{ marginRight: 10 }}
      />
    }
    buttonStyle={{
      borderRadius: 0.3,
      top:6,
      marginLeft: 1,

```

```

        marginRight: 1,
        marginBottom: 0, alignItems: 'center',
        backgroundColor:'pink' ,
    }}
    title="SEE MORE"
  />
</Card>
<Card>
  <Card.Title style = {{textAlign: "left"}}>West Bengal</Card.Title>
  <Card.Divider />
  <Card.Image
    style={{ padding: 0 }}
    source={{
      uri:
        'https://images.pexels.com/photos/190589/pexels-photo-190589.jpeg?auto=compress&cs=tinysrgb&dpr=1&w=500',
    }}
  />
  <Button
    icon={
      <Icon
        name="code"
        color="#ffffff"
        iconStyle={{ marginRight: 10 }}
      />
    }
    buttonStyle={{
      borderRadius: 0.3,
      top:6,
      marginLeft: 1,
      marginRight: 1,

```

```

        marginBottom: 0, alignItems: 'center',
        backgroundColor:'pink' ,
    }}
    title="SEE MORE"
  />
</Card>
<Card>
  <Card.Title style = {{textAlign: "left"}}>Kerala</Card.Title>
  <Card.Divider />
  <Card.Image
    style={{ padding: 0 }}
    source={{
      uri:
        'https://images.pexels.com/photos/3370598/pexels-photo-3370598.jpeg?auto=compress
        &cs=tinysrgb&dpr=1&w=500',
    }}
  />
  <Button
    icon={
      <Icon
        name="code"
        color="#ffffff"
        iconStyle={{ marginRight: 10 }}
      />
    }
    buttonStyle={{
      borderRadius: 0.3,
      top:6,
      marginLeft: 1,
      marginRight: 1,
      marginBottom: 0, alignItems: 'center',

```

```

        backgroundColor:'pink' ,
    }}
    title="SEE MORE"
  />
</Card>
<Card>
  <Card.Title style = {{textAlign: "left"}}>Karnataka</Card.Title>
  <Card.Divider />
  <Card.Image
    style={{ padding: 0 }}
    source={{
      uri:
'https://images.pexels.com/photos/4134646/pexels-photo-4134646.jpeg?auto=compress
&cs=tinysrgb&dpr=1&w=500',
    }}
  />
  <Button
    icon={
      <Icon
        name="code"
        color="#ffffff"
        iconStyle={{ marginRight: 10 }}
      />
    }
    buttonStyle={{
      borderRadius: 0.3,
      top:6,
      marginLeft: 1,
      marginRight: 1,
      marginBottom: 0, alignItems: 'center',
      backgroundColor:'pink' ,

```

```

    }}
    title="SEE MORE"
  />
</Card>
<Card>
  <Card.Title style = {{textAlign: "left"}}>Goa</Card.Title>
  <Card.Divider />
  <Card.Image
    style={{ padding: 0 }}
    source={{
      uri:
        'https://brendansadventures.com/wp-content/uploads/2016/12/Goa-India-17.jpg',
    }}
  />
  <Button
    icon={
      <Icon
        name="code"
        color="#ffffff"
        iconStyle={{ marginRight: 10 }}
      />
    }
    buttonStyle={{
      borderRadius: 0.3,
      top:6,
      marginLeft: 1,
      marginRight: 1,
      marginBottom: 0, alignItems: 'center',
      backgroundColor:'pink' ,
    }}
    title="SEE MORE"
  />

```

```

        />
    </Card>

</ScrollView>
</View>

);
}
const styles = StyleSheet.create({
  container: {
    flex: 1,
    backgroundColor: '#fff',
    alignItems: 'center',
    justifyContent: 'center',
  },
  map: {
    flex:36,
    width: Dimensions.get('window').width,
    height: Dimensions.get('window').height,
  },
});

```

HOTEL BOOKING MACHINE LEARNING PYTHON:

```

import numpy as np
import nltk
nltk.download('wordnet')
from nltk.corpus import stopwords
from nltk.tokenize import word_tokenize
from nltk.stem.wordnet import WordNetLemmatizer
from ast import literal_eval

```

```
import pandas as pd
```

```
data = pd.read_csv("goibibo.csv") #READ THE FILE
data=data.drop(['similar_hotel', 'sitename','uniq_id',
'crawl_date','latitude','longitude','property_id','qts','query_time_stamp'], axis=1)
spec_chars = ["!", "", "#", "%", "&", "", "(,)",
              "*", "+", " ", "-", ".", "/", "\.", "\.", "<",
              "=", ">", "?", "@", "[", "\\", "]", "^", "_",
              "`", "{", "|", "}", "~", "-"]
for char in spec_chars:
    data['additional_info'] = data['additional_info'].str.replace(char, ' ', regex=True)
#room_facilities
data['hotel_facilities'] = data['hotel_facilities'].str.replace(char, ' ', regex=True)
data['room_facilities'] = data['room_facilities'].str.replace(char, ' ', regex=True)
```

```
city = input("City - ")
area = input("Area - ")
c = data.loc[data['city'] == city]
a = c.loc[c['area'] == area]
fac = input("Facility - ")
#rslt_df = c[c['additional_info'] == fac]
#print(rslt_df)
r = a[a['additional_info'].str.contains(fac, na = False)]
print(r)
```

FLIGHT BOOKING MACHINE LEARNING PYTHON:

```
from amadeus import Client, ResponseError
amadeus = Client(
    client_id='hTx4JAKoakbqXmIDEV2vG410q8a0RIEs',
    client_secret='la1mmEubdHyASKdV'
```

)

```
org = input("From (IATA code) - ")
dest = input("To (IATA code) - ")
dep = input("Departure Date (YYYY-MM-DD) - ")
ad = int(input("No. of Passengers - "))
```

try:

```
    response = amadeus.shopping.flight_offers_search.get(
        originLocationCode=org,
        destinationLocationCode= dest,
        departureDate= dep,
        adults= ad)
    print(response.data)
except ResponseError as error:
    print(error)
```

RESTAURAUNT MACHINE LEARNING PYTHON:

```
import pandas as pd
import numpy as np
```

```
zomato = pd.read_csv('zomato.csv')
```

```
zomato = zomato.dropna()
zomato=zomato.drop(columns=['menu_item', 'url','votes'])
```

```
spec_chars = ["!", "", "#", "%", "&", "", "(", ")",
    "*", "+", " ", "-", ".", "/", ":", ";", "<",
    "=", ">", "?", "@", "[", "\\", "]", "^", "_",
    "`", "{", "|", "}", "~", "-"]
```

```
for char in spec_chars:
```

```

        zomato['dish_liked'] = zomato['dish_liked'].str.replace(char, ' ', regex=True)
#room_facilities
        zomato['rest_type'] = zomato['rest_type'].str.replace(char, ' ', regex=True)
        zomato['cuisines'] = zomato['cuisines'].str.replace(char, ' ', regex=True)

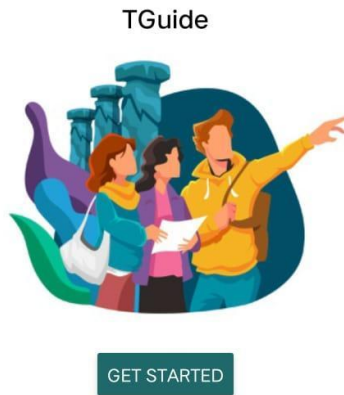
dish = input("Dish : ")
types = input("Type of Restaurent : ")
cuisines = input("Cuisines you wanna try: ")
#c = data.loc[data['city'] == city]
#a = c.loc[c['area'] == area]
#fac = input()
#rslt_df = c[c['additional_info'] == fac]
#print(rslt_df)
d = zomato[zomato['dish_liked'].str.contains(dish, na = False)]
r = zomato[zomato['rest_type'].str.contains(types, na = False)]
c = zomato[zomato['cuisines'].str.contains(cuisines, na = False)]

print(d)
print(r)
print(c)

```

(B) SCREENSHOTS

02:23 14%



The Splash Screen

8:34 AM

240 B/s

TGuide

Login

Email Id/ Mobile No.

Enter Password



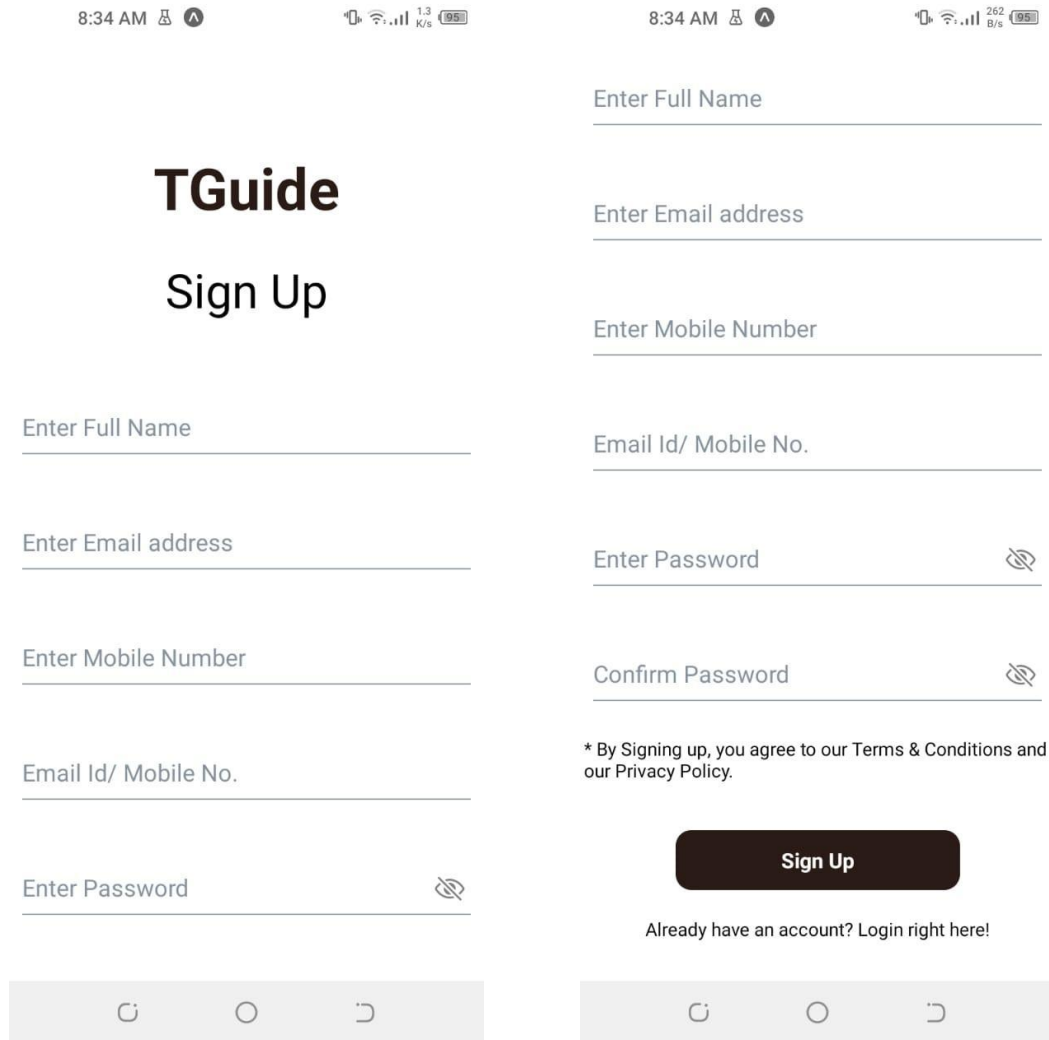
[Forgot Password?](#)

Login

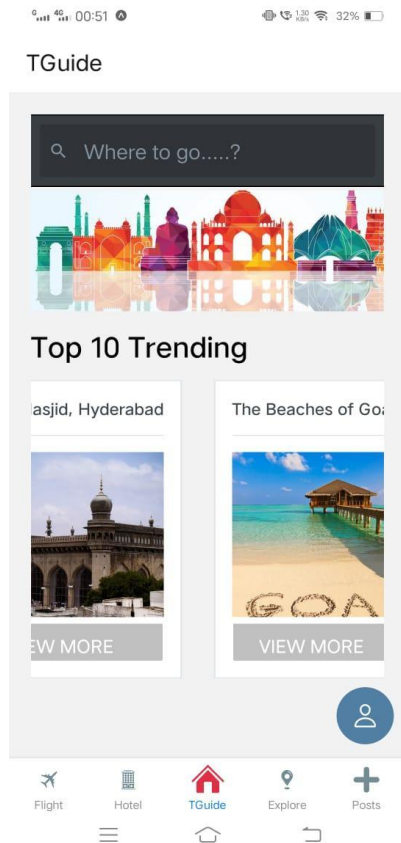
Don't have an account? Signup right now!



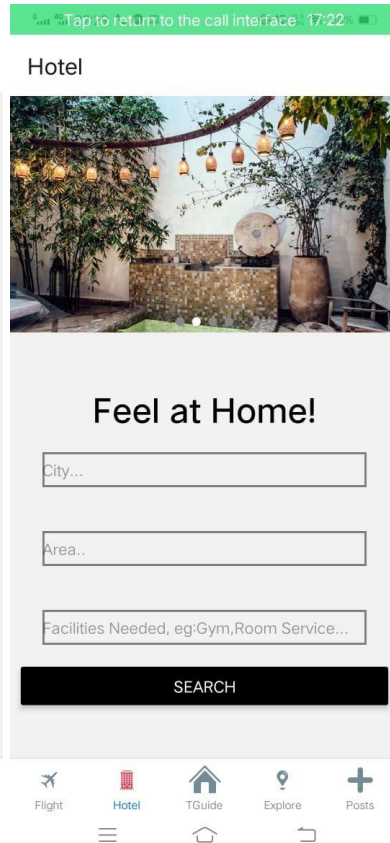
The login Screen



The Sign Up Screen



The Home Screen



Hotel Booking
Screen

The Flight Booking
Screen

Flight



Find your Flight!

☐ Round Trip ☐ One Way

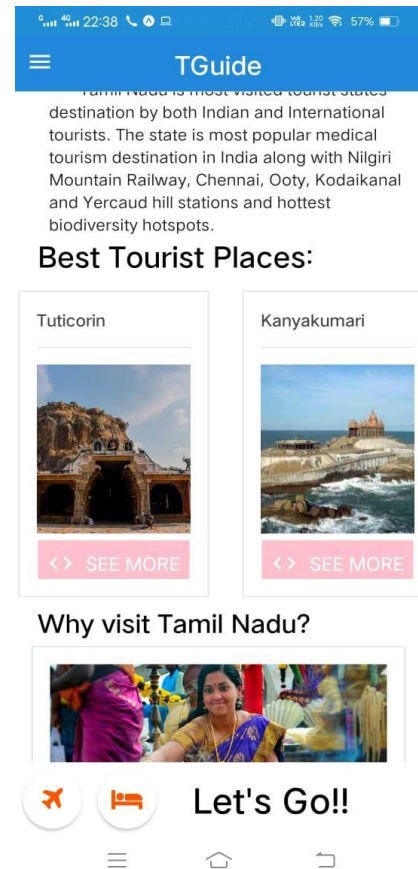
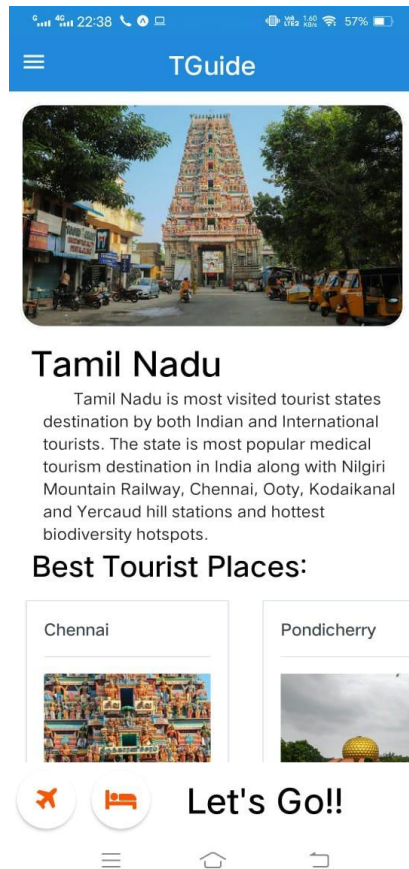
From where?

To where?

Depart Date- Eg: 04/04/2022

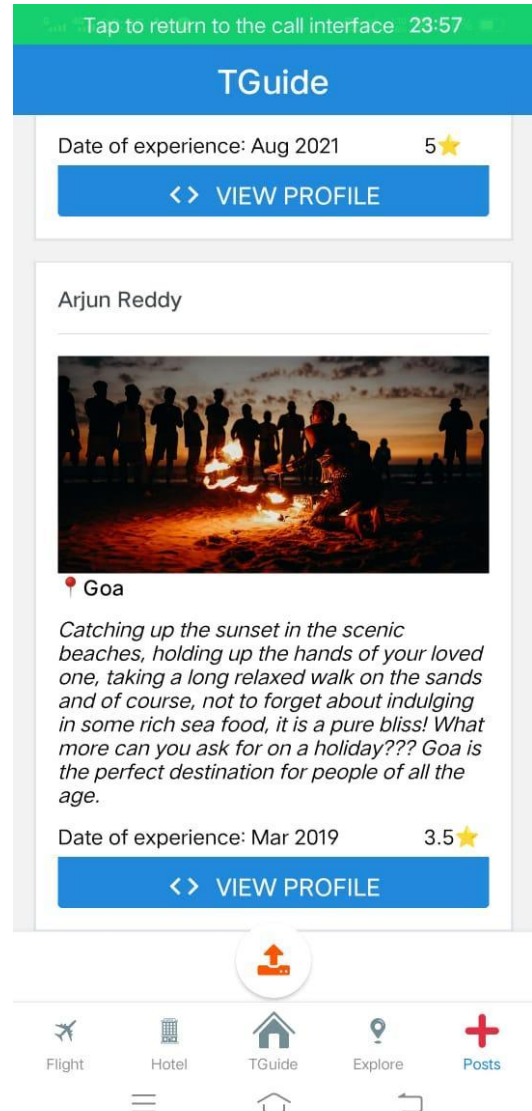
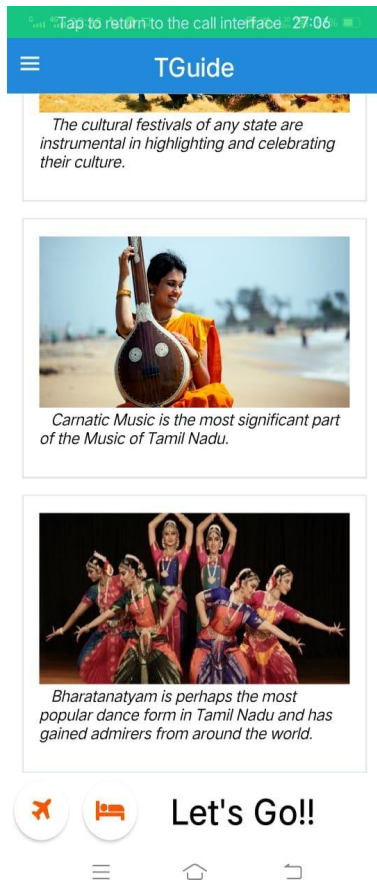
SEARCH





Place Details Screen

The User's Feed and Post Screen



Tap to return to the call interface 23:51

TGuide

ShreySin - ✓Verified



Munnar

I wish I can explain to you in detail about my experienced but if I do so it will not stop me as the experience I've was huge... In short, I will like to tell you that this tour was SUPERB... All Sightseeing of Kochi and Munnar was something that words are less to described it... Such a wonderful tour.

Date of experience: Jan 20144.5★

<> VIEW PROFILE

Shyam Singha Roy - ✓Verified





FlightHotelTGuideExplorePosts





Covid Details of Places



Adithi Roy



Trips

Activities

Wishlist



Profile Screen