



PROFESSIONAL TRAINING REPORT

at

Sathyabama Institute of Science and

Technology

(Deemed to be University)

Submitted in partial fulfillment of the requirements for the award
of Bachelor of Engineering Degree in Information Technology

By,

MYTHILI V

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SCHOOL OF COMPUTING
SATHYABAMA INSTITUTE OF SCIENCE AND
TECHNOLOGY**

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SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY



(DEEMED TO BE UNIVERSITY)

Accredited with Grade “A” by NAAC

(Established under Section 3 of UGC Act, 1956)

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DEPARTMENT OF INFORMATION TECHNOLOGY

BONAFIDE CERTIFICATE

This is to certify that this Project Report is the bonafide work of **MYTHILI V(Reg. No: 39120072)** who carried out the project entitled “**Hosting food order webpage using AWS cloud computing**” under my supervision from June 2021 to November 2021.

Internal Guide

Dr. R.Subhashini,

Head of the Deptment

Submitted for Viva voce Examination held on _____

Internal Examiner

External Examiner

DECLARATION

I, **MYTHILI V** hereby declare that the project report entitled “**Hosting food order webpage using AWS cloud computing**” done by me under the guidance of **DR. R.Subhashini** is submitted in partial fulfillment of the requirements for the award of Bachelor of Engineering Degree in Information Technology .

DATE:

PLACE:

V. Mythili

SIGNATURE OF THE CANDIDATE

ACKNOWLEDGEMENT

I am pleased to acknowledge my sincere thanks to **Board of Management of SATHYABAMA** for their kind encouragement in doing this project and for completing it successfully. I am grateful to them.

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I wish to express my thanks to all Teaching and Non-teaching staff members of the **Department of Information Technology** who were helpful in many ways for the completion of the project.

TRAINING CERTIFICATE

NPTEL » Cloud computing

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Course outline

How does an NPTEL online course work?

[Week 0](#)

[Week 1](#)

[Week 2](#)

[Week 3](#)

[Week 4](#)

[Week 5](#)

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MYTHILI V

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Assessment scores

Assignment 0: -

Week 1 : Assignment 1: 100.0

Week 2 : Assignment 2: 70.0

Week 3 : Assignment 3: 90.0

Week 4 : Assignment 4: 100.0

Week 5 : Assignment 5: 90.0

Week 6 : Assignment 6: 100.0

Week 7 : Assignment 7: 80.0

Week 8 : Assignment 8: 90.0

ABSTRACT

Online food ordering systems for restaurants are becoming more evident every day. Today's diners tend to prefer using technology to access restaurant services. Online reservations, online take out, and online pick up are favored over picking up the phone, and it is essential to meet their needs if you want to remain competitive. In this busy era customer doesn't have time to go out and stand in queues, so they prefer to order from nearby restaurants or Take away delivery by sitting anywhere on the earth. Order food online helps the customer with easy food delivery at their doorsteps, gives them access to the entire menu on mobile application and allow them to explore the whole range of food. AWS allows you to run web and application servers in the cloud to host dynamic websites, store all your files securely on the cloud so you can access them from anywhere on the earth. AWS is architected to be the most flexible and secure cloud computing environment. Hosting Images on Amazon S3 gives you the ability to store a large amount of data with a very low cost.

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LIST OF ABBREVIATIONS

HTML- Hyber Text Markup Language

CSS- Cascading Style Sheets

JS- Java Script

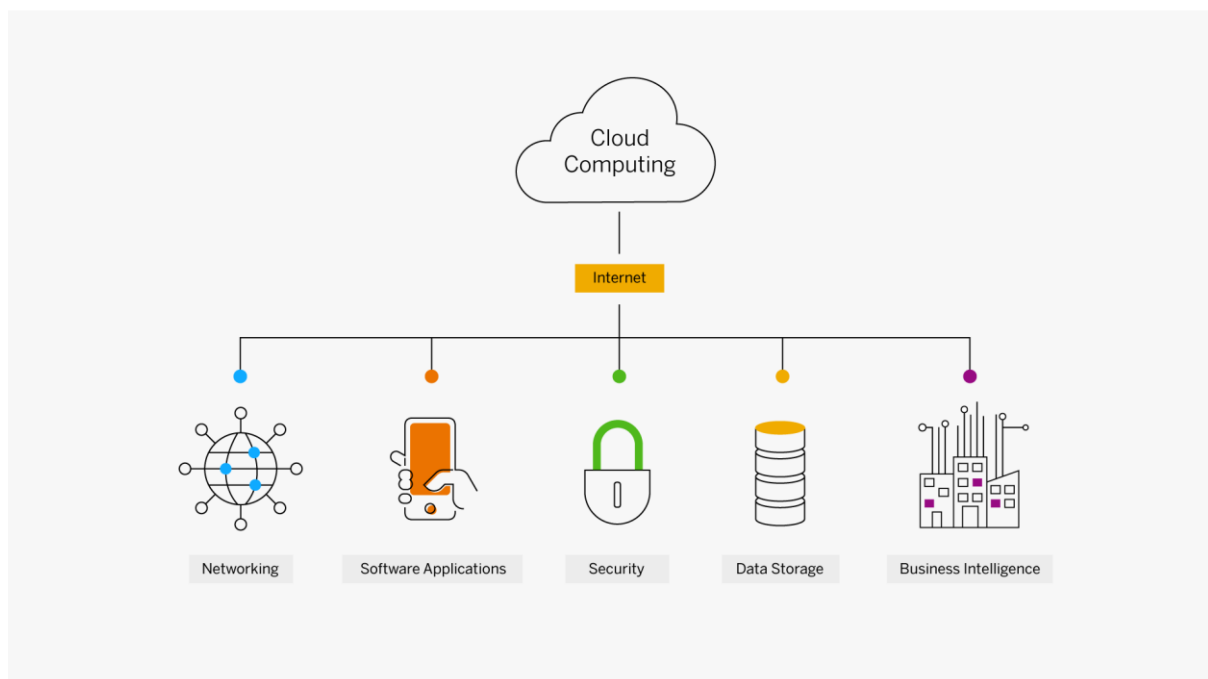
AWS- Amazon Web Services

AWS S3- Amazon Simple Storage Service

INTRODUCTION

What is cloud?

Cloud computing means storing and accessing data and programs over the internet instead of your computer's hard drive. Cloud computing is the on-demand delivery of IT resources over the Internet with pay-as-you-go pricing.



1.1

What is AWS cloud computing?

Cloud computing is the on-demand delivery of IT resources over the Internet with pay-as-you-go pricing. Instead of buying, owning, and maintaining physical data centers and servers, you can access technology services, such as computing power, storage, and databases, on an as-needed basis from a cloud provider like Amazon Web Services (AWS).

Amazon Web Services(AWS) is a cloud service from Amazon, which provides

services in the form of building blocks, these building blocks can be used to create and deploy any type of application in the cloud.

BENEFITS OF AWS:

i. Easy to use:

AWS is designed to allow application providers, ISVs, and vendors to quickly and securely host your applications – whether an existing application or a new SaaS-based application. You can use the AWS Management Console or well-documented web services APIs to access AWS's application hosting platform.

ii. Flexible

One of the major benefits of AWS is its flexibility. With its infrastructure on demand, there's basically no limit to how much you can use. AWS provides you with various options.

You can choose your preferred OS, web application platform, programming language, and so much more. The platform makes it easy for you to load any service or software you want in a virtual ecosystem.

This makes migration from existing platforms easier and eases the deployment of new ones. Apart from flexibility, you also have the option of affordability.

iii. Cost-Effective

You pay only for the compute power, storage, and other resources you use, with no long-term contracts or up-front commitments. For more information on comparing the costs of other hosting alternatives with AWS, see the AWS Economics Center.

iv. Scalable and high-performance

Using AWS tools, Auto Scaling, and Elastic Load Balancing, your application can scale up or down based on demand. Backed by Amazon's massive infrastructure, you have access to compute and storage resources when you need them.

V. Secure

AWS utilizes an end-to-end approach to secure and harden our infrastructure, including physical, operational, and software measures. For more information, see the AWS Security Center.

WHAT IS AWS S3?

Amazon Simple Storage Service (Amazon S3) is an object storage service that offers industry-leading scalability, data availability, security, and performance. You can use Amazon S3 to store and retrieve any amount of data at any time, from anywhere.

Some of the benefits of AWS S3 are:

- Durability
- Low cost
- Scalability
- Availability
- Security
- Flexibility
- Simple data transfer

OVERVIEW

This project aims to Hosting a food order website using AWS cloud computing platform.

There are many components like login, order form etc. Once customers register themselves, they will be directed to various fields and finally the ordering will be done. This app is done with HTML, CSS, JS and the main part is the Hosting webpage using AWS S3 bucket.

To use S3 for a static website, we simply upload files to an S3 bucket and configure your S3 bucket for webpage hosting.

Order food online helps the customer with easy food delivery at their doorsteps, gives them access to the entire menu on mobile application and allow them to explore the whole range of food.

Functional Requirements:

To build an food order web application, the main thing needed is the components where are those application routing process occurs. The components used in this application are listed below:

- ❖ Home page
- ❖ Register / Sign-up
- ❖ food page
- ❖ Menu page
- ❖ Order form

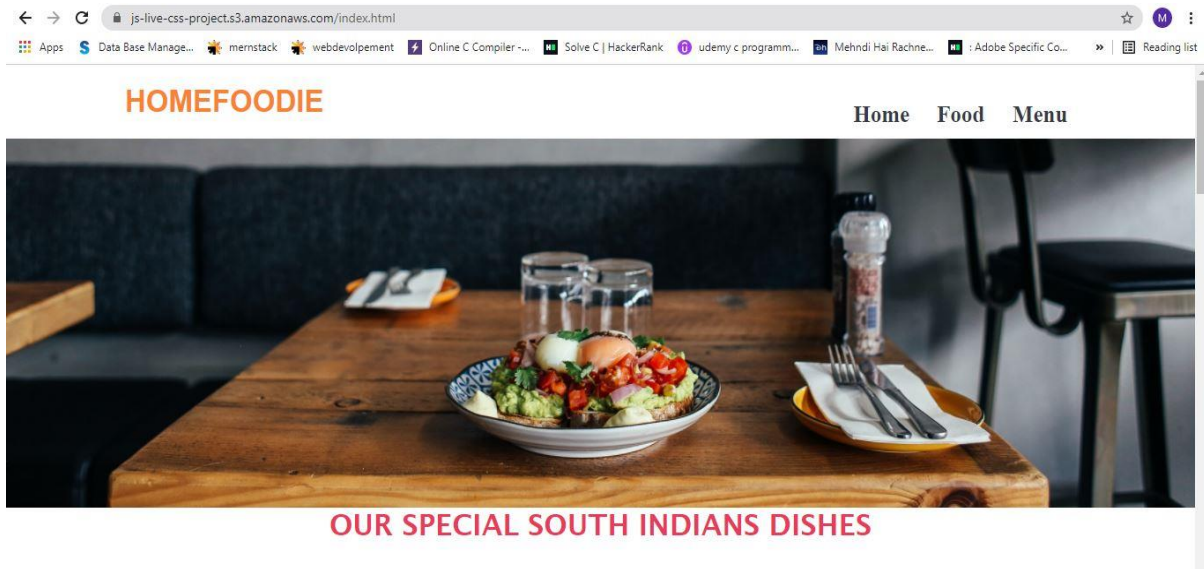
OVERVIEW OF COMPONENTS:

Home page:

home page (or homepage) is the main web page of a website.

Home page containing navigations, Headlines ,photos,texts and footer.

There is no standard home page layout, but most home pages include a navigation bar that provides links to different sections within the website. Other common elements found on a home page include a search bar, information about the website, and recent news or updates.



1.2 home page1

OUR SPECIAL SOUTH INDIANS DISHES



1.3 home page2



Afternoon NON VEG full meal

NON Veg/Tamilnadu spl/super Afternoon fullmeal.
rice,fish,fry fish,gravytamilnadu favouite food
ever...will you taste?

EAT NOW!!



Briyani

NON Veg/Tamilnadu spl/our speial briyani ever.
sidedish for this taste gravy and egg with chilli
chiken tamilnadu favouite food ever...will you taste?

EAT NOW!!



1.4 home page3



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1.5 home page 4

Food page:

Inside the page we are having content about our food items and images .

FOODS

Food is what people and animals eat to live. Every organism needs energy to carry on with the process of living which comes from food. Food usually comes from animals and plants. It is eaten by living things to provide energy and nutrition.[1] Food contains the nutrition that people and animals need to be healthy. The consumption of food is normally enjoyable to humans. It contains protein, fat, carbohydrates, vitamins, water and minerals.[2] Liquids used for energy and nutrition are often called "drinks". If someone cannot afford food they go hungry.

Food for humans is mostly made through farming or gardening. It includes animal and vegetable sources. Some people refuse to eat food from animal origin, like meat, eggs, and products with milk in them. Not eating meat is called vegetarianism. Not eating or using any animal products is called veganism.



2.1 food 1



2.2 food2

OUR SPECIAL RICE SET

Rice staples, Tomato Rice, Paruppu, sambar, rasam, poriyal and koottu are added with butter or curd to prepare pachadi. Dry and fresh fruits or vegetables are also used to prepare traditional cuisine. They serve salt, pickles, payasam, and aviyal.

Paper dosa served in a cone shape

There are so many types of Dosas. There are a few famous kinds of dosa which are available all over the country. Let's start with paper dosa. Most of the dosas are paper-thin and like all the other Tamil Nadu Food, it is made by a batter with the mixture of urad dal and rice, spread over a pan and cooked mildly. It is then shaped into a thin paper-like layer and served in a cone shape along with some chutney and sambar. All the other dosas are made in the same way but depending on their names the extra ingredients are added. Like the egg, dosa has the same procedure but an egg is cracked and poured onto the dosa, spread across and cooked along with the dosa in some oil/ghee. Some other kinds of dosas are: Tomato Dosa, Onion Dosa, Rava Dosa, Vegetable Dosa, Plain Dosa, Masala Dosa etc.

OUR SPECIAL IDLI and VADA

>
Idli and Vada, collectively save breakfasts for people who are late in the mornings, almost every time! These Tamil Nadu food items complement each other beautifully and are total comfort foods. Idli is made with a mixture of urad dal and rice and looks like a small, spongy pancake once cooked and is one of the signature dishes of Tamil Nadu. Vada, on the other hand, is either doughnut-shaped or round like idli and is prepared with fermented Bengal gram mixed with curry leaf, cumin seed and mustard seed. The vada is then shaped and deep-fried giving us a crispy yet soft food served with sambar and coconut chutney.

OUR SPECIAL RICE SET

Rice staples, Tomato Rice, Paruppu, sambar, rasam, poriyal and koottu are added with butter or curd to prepare pachadi. Dry and fresh fruits or

2.3 food3

Menu page:

Inside the menu page we are having our menu items list and order form.

FOODIEHOME

Home Food Menu

OUR SPECIAL MENU



Idli Dosa

Veg/Tamilnadu spl/super breakfast. sidedish for this taste sambar and chatney tamilnadu favouite food ever..will you taste?

EAT NOW!!



Afternoon full meal

Veg/Tamilnadu spl/super after lunch . rice,sambar,poriyal,rasam,curd,kuttu,our speial sweet, tamilnadu favouite food ever..will you taste?

EAT NOW!!

3.1 menu page1



3.2 menu page2

Order form:

User will be able to order themselves by clicking eat now link from screen.

Food order form contain the following fields ,

Name	required
password	required
Food-name	required
Food-quantity	required



3.3 order1

EAT NOW!

user name

email

food-name

food-quantity

order now

3.4 order2

Sign in or login form:

User will be able to register themselves by clicking sign-up link from login screen.

Sign in form contains the following fields,

Email	required
password	required
User name	required

Create your own account

4.1 signin1

The screenshot shows a web browser window with the URL `js-live-css-projects3.amazonaws.com/order%20form.html`. The page has a teal background and a form titled "Create your own account". The form contains three input fields: a username field with "xxxx", an email field with "email", and a password field with "...". A green "submit" button is at the bottom left. A white validation error dialog box is displayed in the center, stating "js-live-css-projects3.amazonaws.com says text box is invalid" with an "OK" button.

Create your own account

4.2 signin2

Thank you for your response!!

4.3 signin3

Hosting a webpage:

- 1.create a bucket and naming the bucket
2. Enable static website hosting
3. Edit Block Public Access settings

Block public access (bucket settings)

Public access is granted to buckets and objects through access control lists (ACLs), bucket policies, access point policies, or all. In order to ensure that public access to all your S3 buckets and objects is blocked, turn on Block all public access. These settings apply only to this bucket and its access points. AWS recommends that you turn on Block all public access, but before applying any of these settings, ensure that your applications will work correctly without public access. If you require some level of public access to your buckets or objects within, you can customize the individual settings below to suit your specific storage use cases. [Learn more](#)



Account settings for Block Public Access are currently turned on

Account settings for Block Public Access that are enabled apply even if they are disabled for this bucket.

☐ Block *all* public access

Turning this setting on is the same as turning on all four settings below. Each of the following settings are independent of one another.

☐ Block public access to buckets and objects granted through *new* access control lists (ACLs)

S3 will block public access permissions applied to newly added buckets or objects, and prevent the creation of new public access ACLs for existing buckets and objects. This setting doesn't change any existing permissions that allow public access to S3 resources using ACLs.

☐ Block public access to buckets and objects granted through *any* access control lists (ACLs)

S3 will ignore all ACLs that grant public access to buckets and objects.

☐ Block public access to buckets and objects granted through *new* public bucket or access point policies

S3 will block new bucket and access point policies that grant public access to buckets and objects. This setting doesn't change any existing policies that allow public access to S3 resources.

☐ Block public and cross-account access to buckets and objects through *any* public bucket or access point policies

S3 will ignore public and cross-account access for buckets or access points with policies that grant public access to buckets and objects.

5.1 aws1

4. Configure an index document

5. Uploading Your Static Website

The screenshot shows the AWS Management Console interface for an Amazon S3 bucket named 'praveensankar3005'. The console is in the 'US East (N. Virginia) us-east-1' region. The left sidebar shows the 'Amazon S3' service selected. The main content area displays the 'Object management overview' section, which shows the object 'index.html' with a size of 4.6 KB and a type of 'html'. The 'Object details' section on the right shows the object's ARN, ETag, and URL. The bottom of the console shows the 'Object management overview' section with a note about bucket properties and object management configurations.

5.2 aws2

SUMMARY:

Order food online helps the customer with easy food delivery. This Online food order application helps the customers to fit their budget while Online food ordering, by reducing the unnecessary taxes and by reducing the traveling expenses.

CONCLUSION:

- With the steps shown in the above section, we can make a lot of single page applications that help in the modern technology.
- Static websites are very low cost, provide high-levels of reliability, require almost no IT administration, and scale to handle enterprise-level traffic with no additional work.
- AWS S3 is easy to use, Flexible, low cost and secure.

- The created link is:

<http://js-live-css-project.s3-website-us-east-1.amazonaws.com/>

Reference:

- www.w3schools.com – html, css, js
- [https://docs.aws.amazon.com/AmazonS3/latest/userguide/HostingAWS S3 Hosting](https://docs.aws.amazon.com/AmazonS3/latest/userguide/HostingAWS%20S3%20Hosting.html)
- <https://youtu.be/-mIANj3IBFk> -AWS

