

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 Computer Science and
Engineering

By
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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
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APRIL 2023



SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)
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DEPARTMENT F COMPUTER SCIENCE AND ENGINEERING

BONAFIDE CERTIFICATE

This is to certify that this Project Report is the bonafide work of **HARISANKAR J D (Reg. No: 40732003)** who carried out the project entitled "**ONLINE CV BUILDER**" under my supervision from February 2023 to April 2023.

Internal Guide

MR. MURALI

Head of the Department

Submitted for Viva voce Examination held on

17-04-2023

Internal Examiner

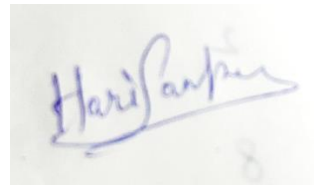
External Examiner

DECLARATION

I, **HARISANKAR J D** hereby declare that the project report entitled **ONLINE CV BUILDER** done by me under the guidance of **MR.MURALI**. is submitted in partial fulfillment of the requirements for the award of Bachelor of Engineering Degree in Computer Science and Engineering with specialization in internet of things.

DATE:17-04-2023

PLACE: CHENNAI

A handwritten signature in blue ink, reading "Harisankar J D", with a stylized flourish at the end. The signature is written on a light-colored background.

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.

I convey my thanks to **Dr. T. Sasikala M.E., Ph.D., Dean, School of Computing, Dr. S. Vigneshwari, M.E., Ph.D. and Dr. L. Lakshmanan, M.E., Ph.D., Heads of the Department of Computer Science and Engineering** for providing me necessary support and details at the right time during the progressive reviews.

I would like to express my sincere and deep sense of gratitude to my Project Guide **MR.MURALI.**, for her valuable guidance, suggestions and constant encouragement paved way for the successful completion of my project work.

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ABSTRACT

An online CV (curriculum vitae) builder is a digital tool designed to help job seekers create professional and visually appealing resumes without the need for graphic design or coding skills. These web-based platforms provide a user-friendly interface where users can input their personal information, work experience, education, and skills. The platform typically includes various pre-designed templates and layouts to choose from, allowing users to customize the look and feel of their resumes to suit their individual preferences and the specific requirements of their targeted industries.

Many online CV builders also offer additional features such as the ability to import data from existing resumes or LinkedIn profiles, automatic formatting and error checking, and the option to save multiple versions of the CV for different job applications. Some platforms also provide tips and guidance on how to craft effective resumes and tailor them for specific roles or industries.

Overall, online CV builders are a convenient and efficient way for job seekers to create high-quality resumes that showcase their skills and experiences in a professional and compelling manner, increasing their chances of landing their desired jobs

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1.0 INTRODUCTION

Resume is the first meeting between you and a prospective employer more often now than ever. So, how do you want to be remembered ? Wrinkled and unorganized. Neat and structured. Long and boring. Precise and interesting. Companies do not have the time to interview every applicant that is interested in the job. If they did, there would not be a company to work for. They use an eliminating process. That's right - resumes.

When a job seeker wants to apply for a job online then generally he/she needs to attach his/her resume with the email. Online Resume Building System provides the users the popular resume formats & a better way to show their resumesto the employers. A job seeker does not need to attach a resume with every email, he/she just have to include the URL ofhis/her resume and the employer can view the resume online

by clicking on the link and can download as well.

1.1 PURPOSE

Purpose of Online Resume Builder is to provide a way to the customers to design the resumes according to the requirements.

- 1.1.1 Creating resumes online.
- 1.1.2 Customizing the look and details.
- 1.1.3 Keeping track of the customers and their resumes.

1.2 SCOPE

Online Resume Builder can be used in accordance with the requirements of the customers. Customers can customize their resumes with their choice of themes & details. The services arehard to be defeated by the competitors as the system is providing the customers exactly what they want.

1.3 OVERVIEW

- ⌘ Project is related to Online Resume Building.
- ⌘ This project maintains 3 types of users.
 - Administrator User
 - Users(Customers)
 - Viewers

- ∞ Facilities provided by this projects are as follows
 - Details of customers are recorded.
 - Update of data is easy.
 - Flow of information is fast and easy.
 - Customers can login to their accounts and view & update their data Notifications about resume views & downloads.

1.4 GOALS OF PROPOSED SYSTEM

- 1) **Planned approach towards working:** - The working of the system will be well planned and organized. The data will be stored properly in data stores, which will help in retrieval of information as well as its storage.
- 2) **Accuracy:** - The level of accuracy in the proposed system will be higher. All operation would be done correctly and it ensures that whatever information is coming from the system is accurate.
- 3) **Reliability:** - The reliability of the proposed system will be high due to the above stated reasons. The reason for the increased reliability of the system is that now there would be proper storage of information.
- 4) **No redundancy:** - In the proposed system utmost care would be that no information is repeated anywhere, in storage or otherwise. This would assure economic use of storage space and consistency in the data stored.
- 5) **Immediate Retrieval of Information:** - The main objective of proposed system is to provide for a quick and efficient retrieval of information. Any type of information would be available whenever the user requires.
- 6) **Immediate storage of information:** - In manual system there are many problems to store & update the large amount of information.
- 7) **Easy to operate:** - The system should be easy to operate and should be such that it can be easily understood by a new user.

1.4 BACKGROUND

Online Resume Builder is a system which allows the customersto design their resumes in accordance with their requirements.

System provides facilities like

- ❑ Customizing the resumes according to the user requirements.
- ❑ Editing the design.
- ❑ Choosing from latest professional designers.
- ❑ Viewed resume notification for the customers.

Various operations done in the system are as follows...

- ❑ Registering customers.
- ❑ Access to viewers/employers is allowed for public/shareddata only.
- ❑ Writing resumes.
- ❑ Editing in design.
- ❑ Keeping track of latest formats of resumes.
- ❑ Viewed resume notification.

1.6 PROJECT REQUIREMENTS

Software Requirements	
<i>Operating System</i>	<i>Software Required</i>
Win-98, Win-XP, Linux or any other higher version	Google chrome, Mozilla fire fox or any compatible web browser

Hardware Requirements	
<i>Processor</i>	<i>RAM</i>
Pentium II, Pentium III, Pentium IV or higher	64MB or Higher

1.7 TECHNOLOGIES USED

This project will be an Internet application to be developed in following tools and technologies.

- a) CSS (Cascading Style Sheets) – It is used to create stylish web pages.
- b) HTML (Hyper Text Markup Language) – It is used to describe web pages.
- c) JAVASCRIPT – It is used improve the design, validate forms, detect browsers, create cookies, and much more.

1.8 USER CHARACTERISTICS

Every user should be:

- Comfortable in working with computer.
- He must have knowledge of resume writing.
- He must also have basic knowledge of English language.

1.9 CONSTRAINTS

- GUI is only in English.
- Login and password is used for identification of user.

1.10 DEFINITION OF PROBLEMS

Problems with conventional system are as follows.

- Lack of immediate retrievals: - The information is very difficult to retrieve and to find particular information.
This results in inconvenience and wastage of time.
- Lack of immediate information storage: - The information generated by various transactions takes time and efforts to be stored at right place.
- Lack of prompt updating: - Various changes to information are difficult to make as paper work is involved.
- Error prone manual calculation: - Manual calculations are error prone and take a lot of time this may result in incorrect information.
- Preparation of accurate and prompt reports: -

This becomes a difficult task as information is difficult to collect from various registers.

2.0 FEASIBILITY STUDY

Depending on the results of the initial investigation the surveys now expanded to a more detailed feasibility study. "FEASIBILITY STUDY" is a test of system proposal according to its workability, impact of the organization, ability to meet needs and effective use of the resources. It focuses on these major questions:

- What are the user's demonstrable needs and how does a system meet them?
- What resources are available for given system?
- What are the likely impacts of the system on the organization?
- Whether it is worth to solve the problem?

During feasibility analysis for this project, following primary areas of interest are to be considered. Investigation and generating ideas about a new system does this.

Steps in feasibility analysis

Eight steps involved in the feasibility analysis are:

- Form a project team and appoint a project leader.
- Prepare system flowcharts.
- Enumerate potential proposed system.
- Define and identify characteristics of proposed system.
- Determine and evaluate performance and cost effectiveness of each proposed system.
- Weight system performance and cost data.
- Select the best-proposed system.
- Prepare and report final project directive to management.

2.1 TECHNICAL FEASIBILITY

Technical feasibility is the study of resource availability that may affect the ability to achieve an acceptable system. This evaluation determines whether the technology needed for the proposed system is available or not.

- ❑ Can the work for the project be done with current equipment existing software technology & available personal?
- ❑ Can the system be upgraded if developed?
- ❑ If new technology is needed then what can be developed?

This is concerned with specifying equipment and software that will successfully satisfy the user requirement. The technical needs of the system may include:

Front-end and back-end selection

An important issue for the development of a project is the selection of suitable front-end and back-end. When we decided to develop the project we went through an extensive study to determine the most suitable platform that suits the needs of the academy as well as helps in development of the project.

The aspects of our study included the following factors.

Front-end selection:

- ❑ It must have a graphical user interface that assists users that are not an advanced user of computer.
 - ❑ Scalability and extensibility.
 - ❑ Flexibility.
 - ❑ Robustness.
 - ❑ According to the organization requirement and the culture.
-

- ❑ Must provide excellent reporting features with goodprinting support.
- ❑ Platform independent.
- ❑ Easy to debug and maintain.
- ❑ Event driven programming facility.
- ❑ Front end must support some popular back end like Ms Access.

According to the above stated features we selected Web Browser as the front-end for developing our project.

Back-end Selection:

- ❑ Multiple user support.
- ❑ Efficient data handling.
- ❑ Provide inherent features for security.
- ❑ Efficient data retrieval and maintenance.
- ❑ Stored procedures.
- ❑ Popularity.
- ❑ Operating System compatible.
- ❑ Easy to install.
- ❑ Various drivers must be available.
- ❑ Easy to implant with the Front-end.

2.2 ECONOMICAL FEASIBILITY

Economic justification is generally the “Bottom Line” consideration for most systems. Economic justification includes a broad range of concerns that includes cost benefit analysis. In this we weight the cost and the benefits associated with the candidate system and if it suits the basic purpose of the organization i.e. profit making, the project is making to the analysis and design phase.

The financial and the economic questions during the preliminary investigation are verified to estimate the following:

- ❑ The cost to conduct a full system investigation.
- ❑ The cost of hardware and software for the class of application being considered.
- ❑ The benefits in the form of reduced cost.

- The proposed system will give the minute information, as a result the performance is improved which in turn may be expected to provide increased profits.
- This feasibility checks whether the system can developed with the available funds. Online Resume Builder does not require enormous amount of money to be developed. This can be done economically if planned judiciously, so it is economically feasible. The cost of project depends upon the number of man-hours required.

2.3 OPERATIONAL FEASIBILITY

It is mainly related to human organizations and political aspects. The points to be considered are:

- What changes will be brought with the system?
- What organization structures are disturbed?
- What new skills will be required? Do the existing staff members have these skills? If not, can they be trained in due course of time ?

The system is operationally feasible as it very easy for the Endusers to operate it.

2.4 SCHEDULE FEASIBILITY

Time evaluation is the most important consideration in the development of project. The time schedule required for the development of this project is very important since more development time effect machine time, cost and cause delay in the development of other systems.

Online Resume Builder can be developed in the considerable amount of time.

3.0 SYSTEM ANALYSIS

System analysis uses a combination of text and diagrammatic forms to

depict requirements for data, function and behavior in a way that is relatively easy to understand, and more important, straightforward to review for correctness, completeness and consistency.

3.1 WORKING OF PRESENT SYSTEM

Present system is the manual system where every task is performed again & again. We need to manually change the format of the resume. Sending of resumes is done manually. All the activities in the system, which can be done by using automated methods, are being done manually. Since all tasks are being performed manually so it needs a lot of work force.

3.2 DISADVANTAGES OF PRESENT SYSTEM

Since, our present system is a manual system it has several disadvantages described below:

- Lack of immediate retrievals: - The information is very difficult to retrieve (download) and to find particular information. This results in inconvenience and wastage of time.
-
- Lack of immediate information storage: - The information takes time and efforts to be attached again & again with mails or to be sent by post.
- Lack of prompt updating: - Various changes to information are difficult to make if resume is sent.
- Error prone manual calculation: - Manual calculations are error prone and take a lot of time this may result in incorrect information.

Preparation of accurate and prompt reports: -

This becomes a difficult task as information is difficult to collect from various registers.

3.3 PROPOSED SYSTEM

Our proposed system provides automation to Resume Building.

This system provides online storage/ updates and retrieval facility. This system promises very less or no paper work and also provides

help to customers and viewers/employers. In this system everything is stored electronically so very less amount of paper work is required and information can be retrieved very easily without searching here and there into registers.

This system ensures certain features that are not available with present manual system. These are described below:

- a) Planned approach towards working: - The working in the system will be well planned and organized. The data will be stored properly in data stores, which will help in retrieval of information as well as its storage.
- b) Accuracy: - The level of accuracy in the proposed system will be higher. All operation would be done correctly and it ensures that whatever information is coming from the server is accurate.
- c) Reliability: - The reliability of the proposed system will be high due to the above stated reasons. The reason for the increased reliability of the system is that now there would be proper storage of information.
- d) No Redundancy: - In the proposed system utmost care would be that no information is repeated anywhere, in storage or otherwise. This would assure economic use of storage space and consistency in the data stored.
- e) Immediate Retrieval of Information: - The main objective of proposed system is to provide for a quick and efficient retrieval of information. Any type of information would be available whenever the viewer or customer requires.
- f) Immediate storage of information: - In manual system there are many problems to store & update the large amount of information.
- g) Easy to Operate: - The system should be easy to operate and should be such that it can be developed within a short period of time and fit in the limited budget of the user.

3.4 ARCHITECTURAL DESIGN

Architectural design represents the structure of data and program components that are required to build a computer-based system. It considers the architectural style that the system will take, the structure

and properties of the components that constitute the system, and the interactions that occur among all architectural components of a system.

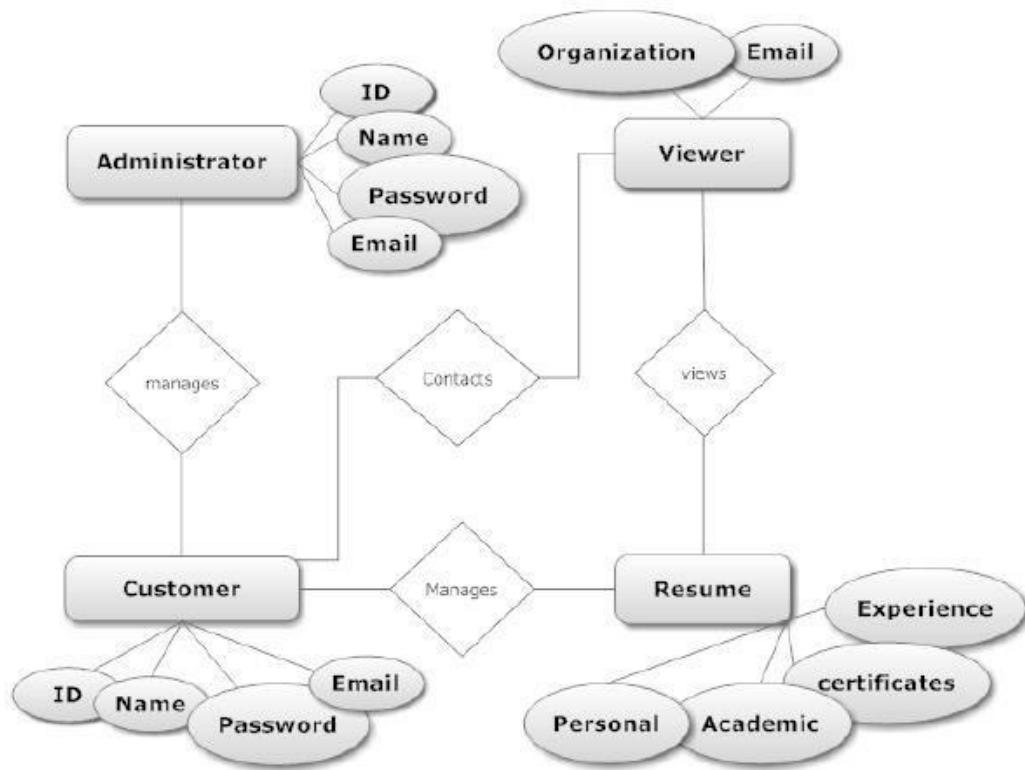
Figure: Architectural Diagram



3.5 E-R DIAGRAM

The object/relationship pair is the cornerstone of the data model. These pairs are represented graphically using E-R diagrams. A set of primary components are identified for the ERD: data objects, attributes, relationships and various type indicators. The primary purpose of ERD is to represent data objects and their relationships.

Figure: Entity-Relationship Diagram



3.6 DFD

The data flow diagram enables the software engineer to develop models of the information domain and functional domain at the same time. As the DFD is refined into greater level of detail, the analyst performs an implicit functional decomposition of the system. At the same time, the DFD refinement results in corresponding refinement of data as it moves through the processes that embody the application.

Figure: Context Level Data Flow Diagram

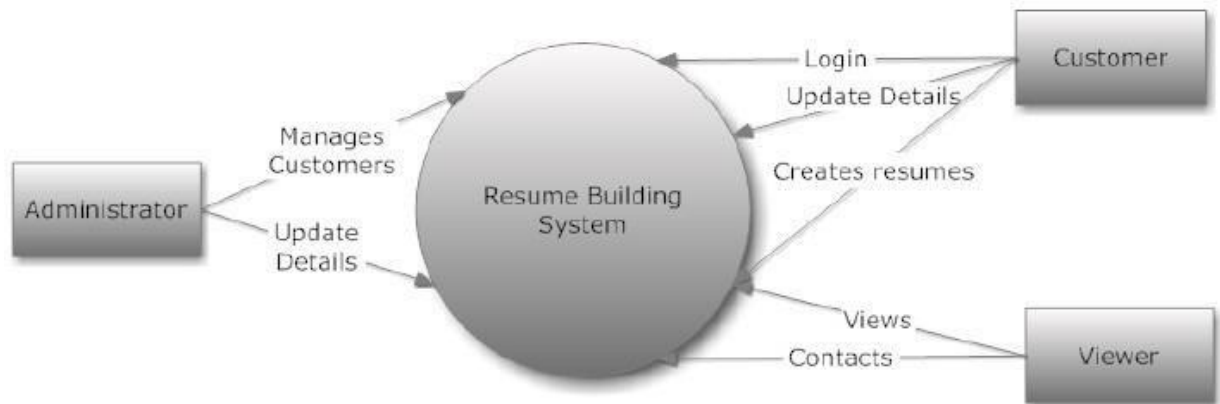
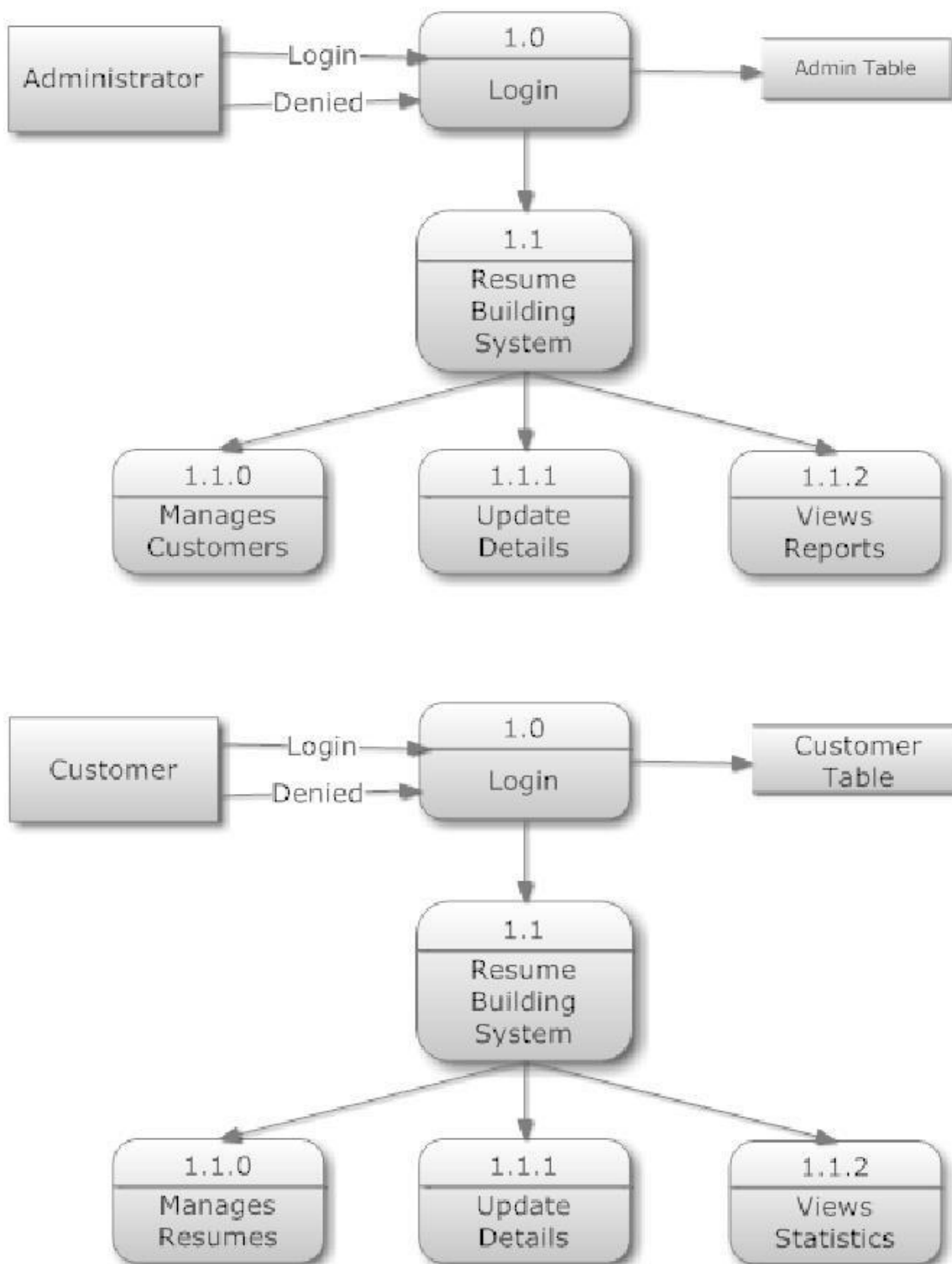


Figure: 1 Level Data Flow Diagram



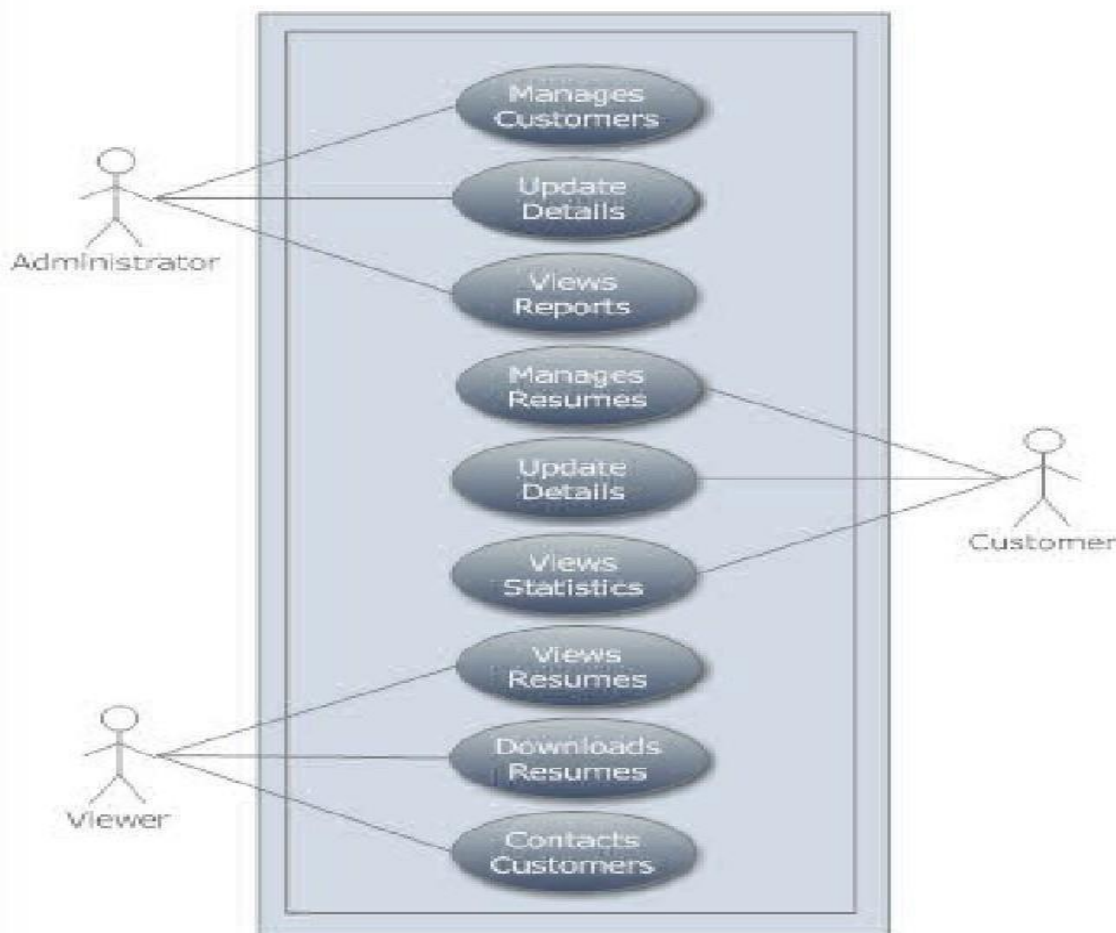
3.7 USE CASE MODEL

Use Case Model is an approach that is a combination of text and pictures in order to improve the understanding of requirements. A use case model describes the complete functionality of a system by identifying how everything that is outside the system interacts with it.

A Use Case Diagram is given below that relates to this application.

- Description – This project is a web application that manages a system of building resumes online.
- Actors – It has 3 actors.
 - 1) Administrator
 - 2) Customer
 - 3) Viewer

Figure: Use Case Diagram



- Flow of Events
 - User logs into the system using ID and password.
 - If user is an authorized user then access is granted otherwise denied.
 - User selects any tasks to do and task is performed.

- Special Requirements –
 - Data will flow from one user to another.
 - Data generated by one user can't be altered by another user.
 - One user can't change the status of another user.

- Pre Condition –
 - All customers should have their account created on the system.

- Post Condition –
 - Details are available to users.
 - Details and information are intact and valid.

4.0 SYSTEM DESIGN

System design is a solution, a 'how to' approach to the creation of a new system. It provides the understanding and procedural details necessary for implementing the system recommended in the feasibility study. Emphasis is on translating the performance requirements into design specifications. Design goes through logical and physical stages of development. Logical design reviews the present physical system; prepares input and output specifications; details the implementation plan; and prepares a logical design walkthrough. The physical design maps out the details of the physical system, plans the system implementation, devises a test and implementation plan, and specifies any new hardware and software.

5.0 SNAPSHOTS

PERSONAL INFORMATION

An unparalleled c

Personal Information

Your Name

Enter Full Name Here

Your Contact Numbers

Enter Here

Your Address

Enter Here

Select your Profile Picture

Choose File

No file chosen

Your Mail ID

Enter Here

Important Links

Facebook

Enter Here

LinkedIn

Enter Here

PROFESSIONAL INFORMATION

Professional Information

Profile Summary

Enter here your objective.

Work Experience

Enter here your Work Experience.

Add

Academic Qualifications

Enter here your Educational Qualifications.

Add

Key Skills

Enter here your Professional Skills.

OVER ALL IMAGE

Professional Information

Profile Summary

Enter here your objective.

Work Experience

Enter here your Work Experience.

Add

Academic Qualifications

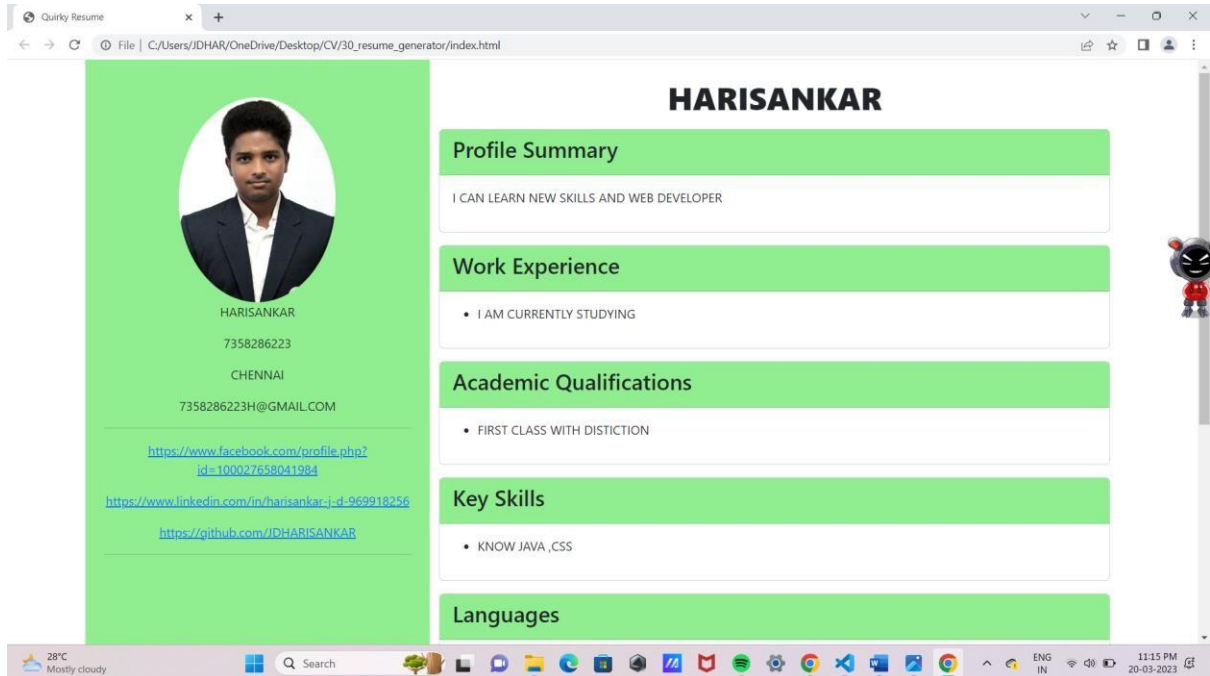
Enter here your Educational Qualifications.

Add

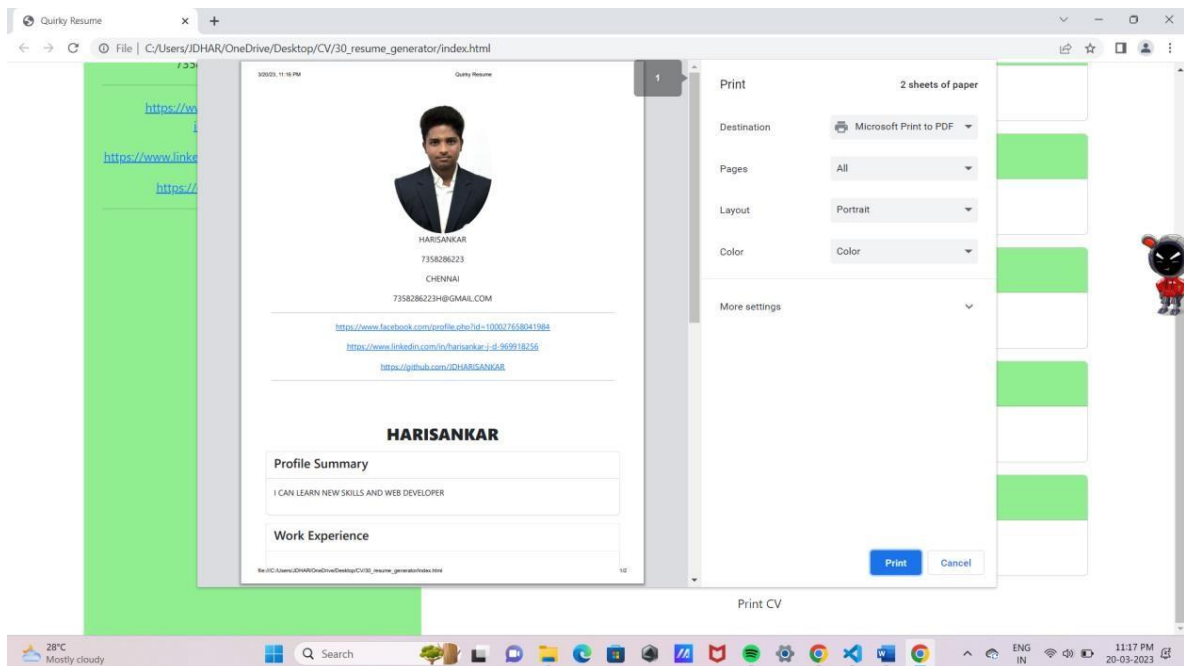
Key Skills

Enter here your Professional Skills.

Filled CV



PRINT PAGE



6.0 CONCLUSION

The project Online Resume Builder is for computerizing the working of building resumes. The software takes care of all the requirements of the process and is capable to provide easy and effective storage of information related to customers and resumes that come up to the system.

It generates reports for customers & administrators. Provides easy designing tools and other interesting features. The system also provides the facility to contact the customer.

This system provides online storage/ updates and retrieval facility. This system promises very less or no paper work and also provides help to customers and viewers. In this system everything is stored electronically so very less amount of paperwork is required and information can be retrieved very easily without searching here and there into registers.

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