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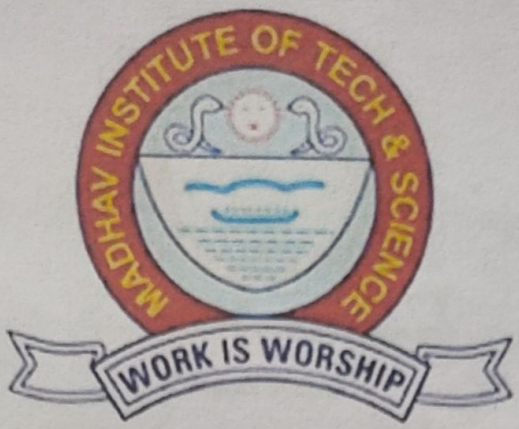

Project Report

on

RESUME BUILDER

Submitted By:

Aditya Gupta

0901CS191008

Mayank Balani

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Faculty Mentor:

Mr. MIR SHAHNAWAZ AHMAD

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

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GWALIOR - 474005 (MP) est. 1957

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Project Report

on

RESUME BUILDER

A project report submitted in partial fulfilment of the requirement for the degree of

BACHELOR OF TECHNOLOGY

in

COMPUTER SCIENCE AND ENGINEERING

Submitted by:

Aditya Gupta

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Mr. MIR SHAHNAWAZ AHMAD

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CERTIFICATE

This is certified that **ADITYA GUPTA** (0901CS191008) has submitted the project report titled **Resume Builder** under the mentorship of **MIR SHAHNAWAZ AHMAD**, in partial fulfilment of the requirement for the award of degree of Bachelor of Technology in Computer Science and Engineering from Madhav Institute of Technology and Science, Gwalior.

09/05/22

Mr. MIR SHAHNAWAZ AHMAD

Assistant Professor
Computer Science and Engineering

09/05/2022

Dr. Manish Dixit

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Dr. Manish Dixit
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MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

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CERTIFICATE

This is certified that **MAYANK BALANI** (0901CS191056) has submitted the project report titled **Resume Builder** under the mentorship of **MIR SHAHNAWAZ AHMAD**, in partial fulfilment of the requirement for the award of degree of Bachelor of Technology in Computer Science and Engineering from Madhav Institute of Technology and Science, Gwalior.

09/05/21

Mr. MIR SHAHNAWAZ AHMED

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Dr. Manish Dixit

Professor and Head
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DECLARATION

We hereby declare that the work being presented in this project report, for the partial fulfilment of requirement for the award of the degree of Bachelor of Technology in Computer Science and Engineering at Madhav Institute of Technology & Science, Gwalior is an authenticated and original record of my work under the mentorship of **MIR SHAHNAWAZ AHMAD**, Assistant Professor, Computer Science and Engineering.

We declare that I have not submitted the matter embodied in this report for the award of any degree or diploma anywhere else.

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MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

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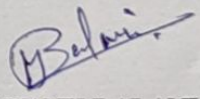
ACKNOWLEDGEMENT

The full semester project has proved to be pivotal to my career. I am thankful to my institute, **Madhav Institute of Technology and Science** to allow me to continue my disciplinary/interdisciplinary project as a curriculum requirement, under the provisions of the Flexible Curriculum Scheme (based on the AICTE Model Curriculum 2018), approved by the Academic Council of the institute. I extend my gratitude to the Director of the institute, **Dr. R. K. Pandit** and Dean Academics, **Dr. Manjaree Pandit** for this.

I would sincerely like to thank my department, **Department of Computer Science and Engineering, for allowing** me to explore this project. I humbly thank **Dr. Manish Dixit**, Professor and Head, Department of Computer Science and Engineering, for his continued support during the course of this engagement, which eased the process and formalities involved.

I am sincerely thankful to my faculty mentors. I am grateful to the guidance of **MIR SHAHNAWAZ AHMAD,** Assistant Professor, Computer Science and Engineering for his continued support and guidance throughout the project. I am also very thankful to the faculty and staff of the department.



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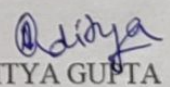

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ABSTRACT

A resume is a document used by individuals to present their background and skill sets. A resume also spelled resume or resume also called curriculum vitae or CV. A document that has a brief summary or listing about relevant education and experience. The resume or CV is typically the first item that a potential user encounters regarding the job seeker and is mostly used for screening an applicant's which is often followed by an interview, while seeking employment in the job search process and well-designed resume. The Resume Builder will help user build his/her personal advertisement through Resume Builder system develop a resume builder with job placement system. Many large employers use electronic resume processing systems to handle large number of resumes. Job portal advertisement may direct applicants to email his resume to their company or visit their website and submit a resume in electronic format. Online jobs search through most popular websites is beneficial as they have served for so many years as a prominent search tool for job seekers and employers alike. In spite of their valuable utility in linking employers with the potential employees, the searching process and technology used by job searching websites have not kept pace with the rapid changes in computing capability and machine intelligence. The Information and data retrieval techniques are used by these websites primarily depends on manually entered search queries with some advanced similarity metrics for ranking search result.

Keywords: Resume, CV (curriculum vitae), skill set

सार:

एक फिर से शुरू एक दस्तावेज है जिसका उपयोग व्यक्तियों द्वारा अपनी पृष्ठभूमि और कौशल सेट प्रस्तुत करने के लिए किया जाता है। रिज्यूमे में रिज्यूम या रिज्यूम भी होता है, जिसे करिकुलम वीटा या सीवी भी कहा जाता है। एक दस्तावेज जिसमें प्रासंगिक शिक्षा और अनुभव के बारे में संक्षिप्त सारांश या सूची है। रिज्यूमे या सीवी आम तौर पर पहला आइटम होता है जो एक संभावित उपयोगकर्ता को नौकरी तलाशने वाले के संबंध में मिलता है और इसका उपयोग ज्यादातर आवेदक की स्क्रीनिंग के लिए किया जाता है, जिसके बाद अक्सर एक साक्षात्कार होता है, जबकि नौकरी खोज प्रक्रिया और अच्छी तरह से डिजाइन किए गए फिर से शुरू में रोजगार की तलाश होती है। रिज्यूमे बिल्डर रिज्यूमे बिल्डर सिस्टम के जरिए यूजर को अपना निजी विज्ञापन बनाने में मदद करेगा, जॉब प्लेसमेंट सिस्टम के साथ रिज्यूम बिल्डर विकसित करेगा। कई बड़े नियोक्ता बड़ी संख्या में रिज्यूमे को संभालने के लिए इलेक्ट्रॉनिक रिज्यूम प्रोसेसिंग सिस्टम का उपयोग करते हैं। जॉब पोर्टल विज्ञापन आवेदकों को अपनी कंपनी को अपना रिज्यूम ईमेल करने या उनकी वेबसाइट पर जाने और इलेक्ट्रॉनिक फॉर्मेट में रिज्यूम जमा करने का निर्देश दे सकता है। सबसे लोकप्रिय वेबसाइटों के माध्यम से ऑनलाइन नौकरी की खोज फायदेमंद है क्योंकि उन्होंने नौकरी चाहने वालों और नियोक्ताओं के लिए समान रूप से एक प्रमुख खोज उपकरण के रूप में इतने सालों तक काम किया है। संभावित कर्मचारियों के साथ नियोक्ताओं को जोड़ने में उनकी मूल्यवान उपयोगिता के बावजूद, नौकरी खोजने वाली वेबसाइटों द्वारा उपयोग की जाने वाली खोज प्रक्रिया और तकनीक ने कंप्यूटिंग क्षमता और मशीन इंटेलिजेंस में तेजी से बदलाव के साथ तालमेल नहीं रखा है। इन वेबसाइटों द्वारा उपयोग की जाने वाली सूचना और डेटा पुनर्प्राप्ति तकनीक मुख्य रूप से खोज परिणामों की रैंकिंग के लिए कुछ उन्नत समानता मीट्रिक के साथ मैन्युअल रूप से दर्ज की गई खोज क्वेरी पर निर्भर करती है।

कीवर्ड: रिज्यूमे, सीवी (पाठ्यक्रम जीवन), कौशल सेट

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Chapter 1: INTRODUCTION

1.1Introduction

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 elimination process. That's Right - resume. 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 resumes to the employers. A job seeker does not need to attach a resume with every email, he/she just have to include the URL of his/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 their resumes according to their requirements.

a) Creating resumes online.

b) Customizing the look and details.

c) 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 are hard 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(customer)**
- **Viewers**

Facilities provided by this project are as follows

1 Details of customers are recorded.

2 Update of data is easy.

3 Flow of information is fast and easy.

4 Customers can login to their accounts and view &update their data.

5 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

1.5 Project Requirements

System Requirements

1. Computers running Microsoft Windows must meet the following minimum Hardware and Software requirements.

2. Software Requirements – An OS, Text Editor, GUI for backend

3. Hardware Requirements – Laptop/Computer, Mobile device or Tablet

4. Microsoft Windows 7/8/10 (32- or 64- bit)

5. 3 GB RAM minimum, 8 GB RAM recommended; plus 1 GB for the Android Emulator

1.6 Feasibility Study

Depending on the results of the initial investigation the survey is 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.

1.7 Required Tool Description

Web applications can be developed across multiple IDE's and there are several plugins available for making the current IDE capable to write the codes for website. Out of several IDE's I have used the popular editor Visual Studio. Microsoft Visual Studio is an integrated development environment (IDE) from Microsoft. It is used to develop computer programs, as well as websites, web apps, web services and mobile apps. Visual Studio uses Microsoft software development platforms such as Windows API, Windows Forms, Windows Presentation Foundation, Windows Store and Microsoft Silverlight. It can produce both native code and managed code. Visual Studio includes a code editor supporting IntelliSense (the code completion component) as well as code refactoring. The integrated debugger works both as a source-level debugger and a machine-level debugger. Other built-in tools include a code profiler, designer for building GUI applications, web designer, class designer, and database schema designer. It accepts plug-ins that expand the functionality at almost every level - including adding support for source control systems (like Subversion and Git) and adding new toolsets like editors and visual designers for domain-specific languages

or toolsets for other aspects of the software development lifecycle (like the Azure DevOps client: Team Explorer). Visual Studio supports 36 different programming languages and allows the code editor and debugger to support (to varying degrees) nearly any programming language, provided a language-specific service exists.

Chapter 2: Preliminary Design

2.1 Software Development Life Cycle Model

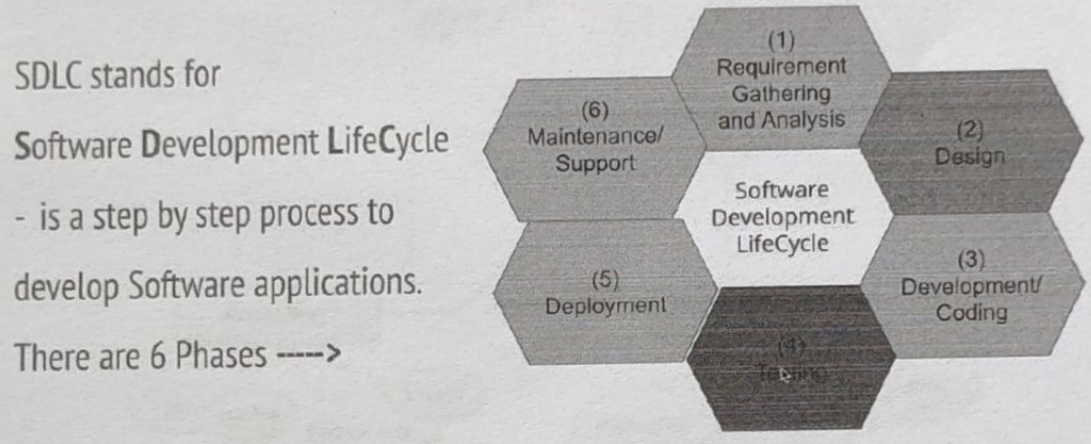


Figure 1: SDLC Model

2.2 Entity Relation Diagram

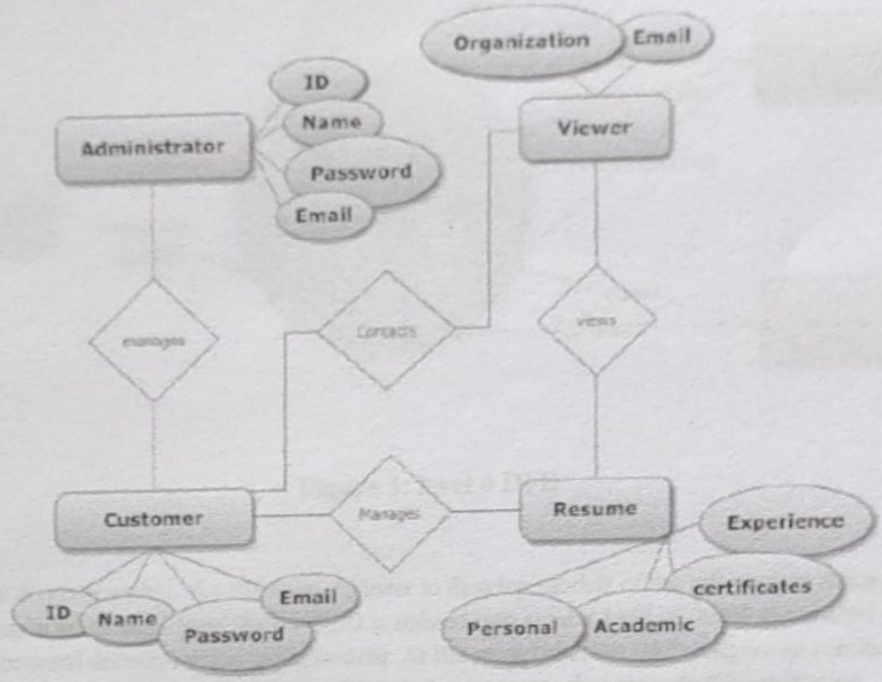


Figure 2: ER diagram

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.

2.3 Data Flow Diagram

2.3.1 Level 0 Data Flow Diagram

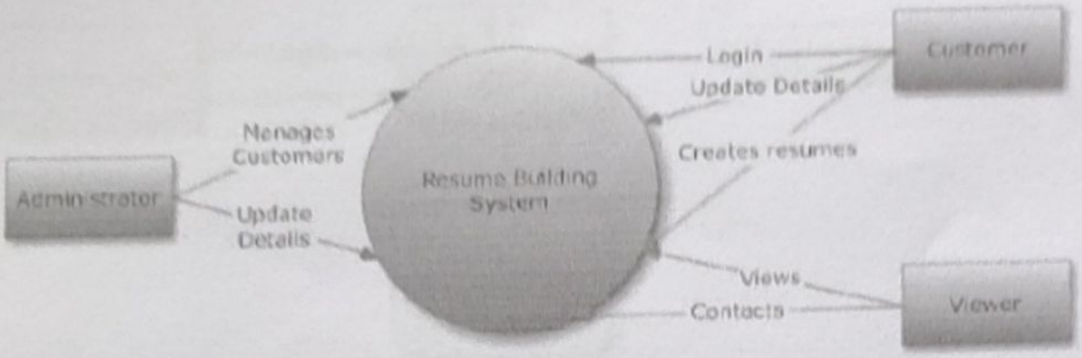


Figure 3: level 0 DFD

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

2.3.2 Level 1 Data Flow Diagram

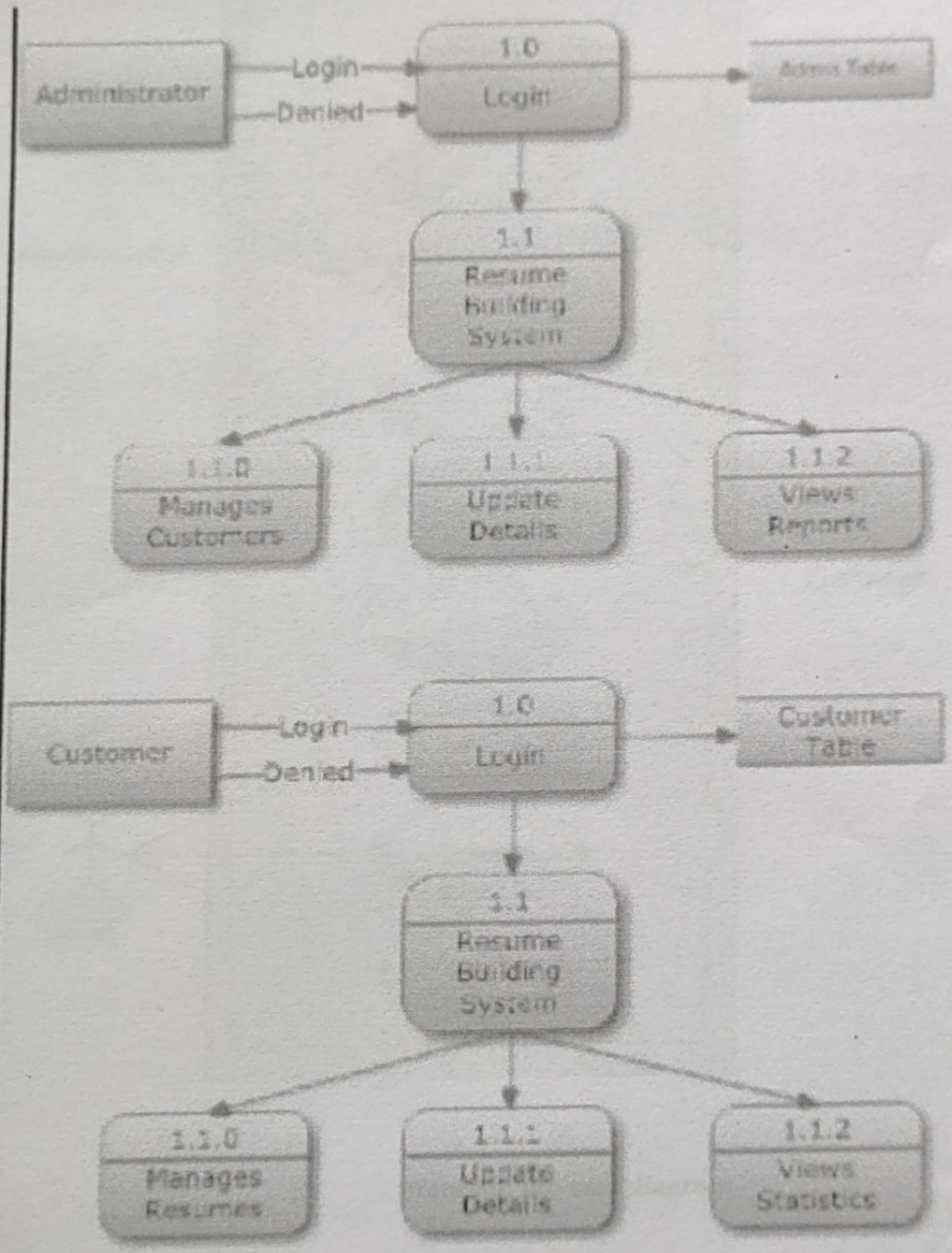


Figure 4: level 1 DFD

2.4 Use Case Diagram

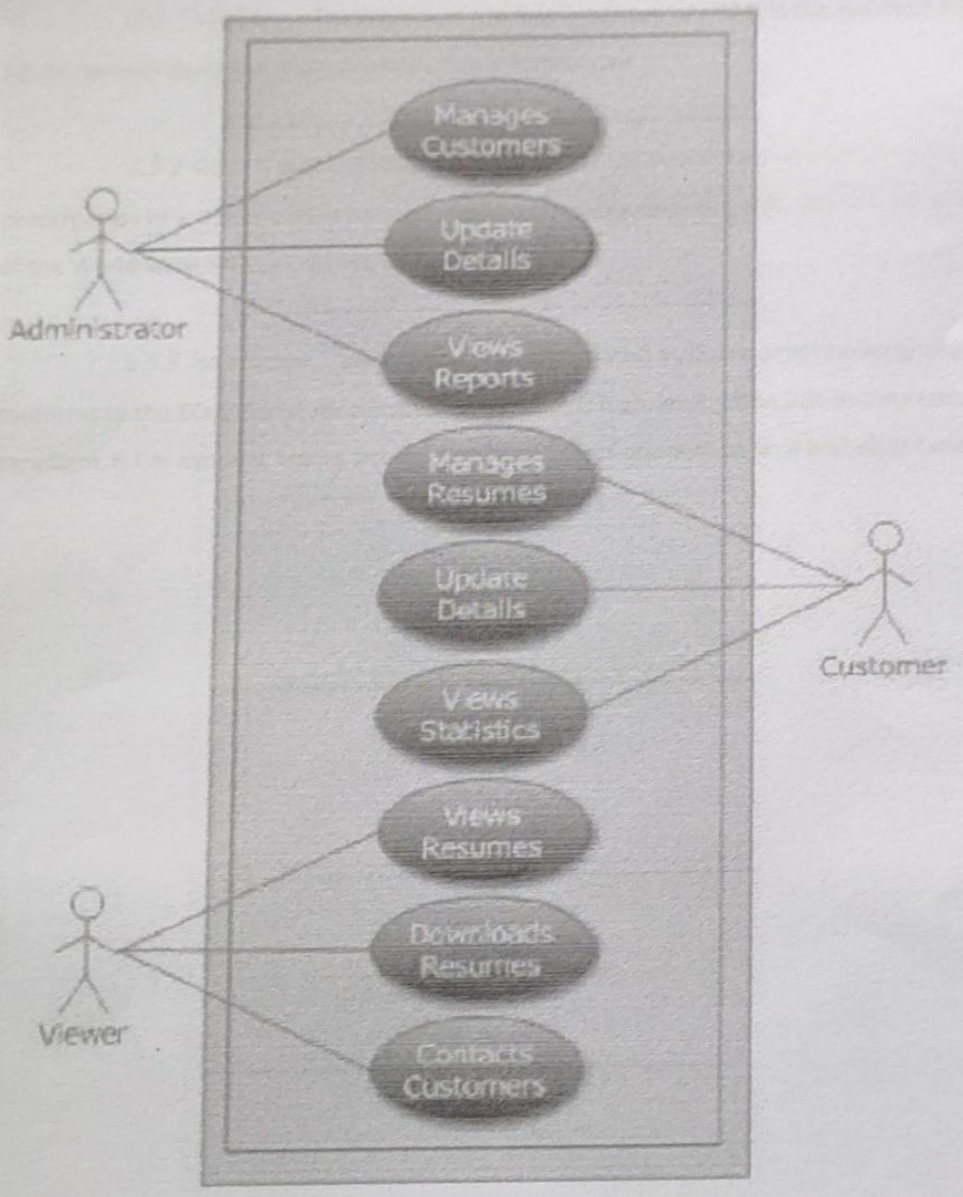


Figure 5: use case diagram

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' is describing 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

2.5 Technologies used

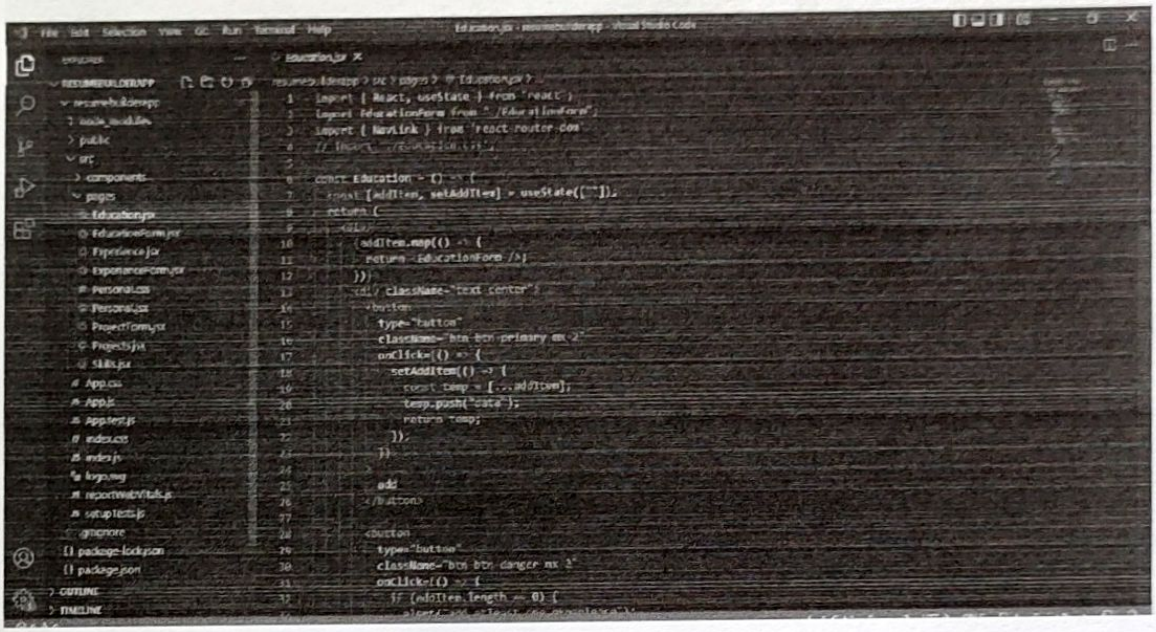
2.5.1 HTML: - The Hypertext Markup Language or HTML is the standard markup language for documents designed to be displayed in a web browser

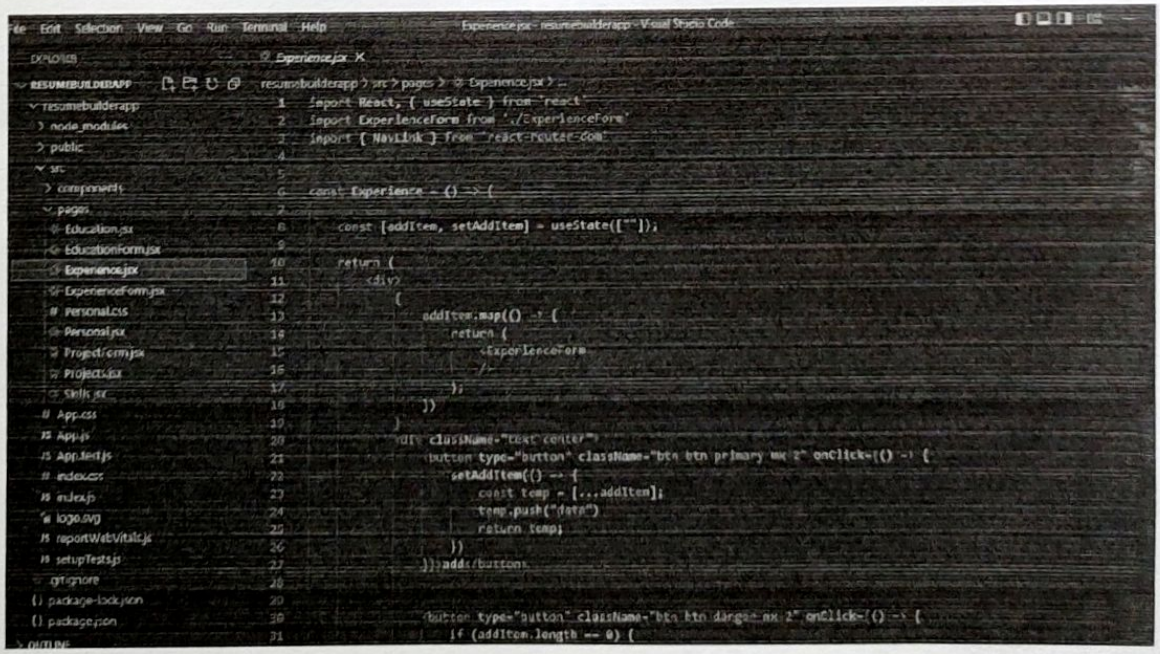
2.5.2 CSS: - Cascading Style Sheets is a style sheet language used for describing the presentation of a document written in a markup language such as HTML. CSS is a cornerstone technology of the World Wide Web, alongside HTML and JavaScript.

2.5.3 JavaScript: - JavaScript often abbreviated as JS, is a programming language that conforms to the ECMAScript specification. JavaScript is high-level, often just-in-time compiled and multi-paradigm. It has dynamic typing, prototype-based object-orientation, and first-class functions

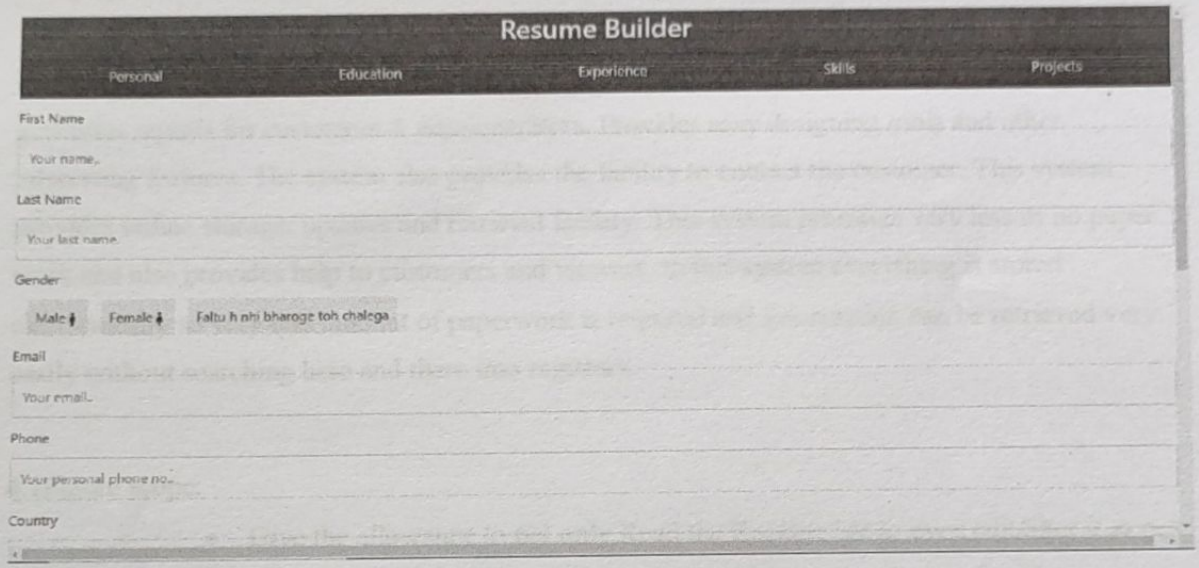
CHAPTER 3: Final Analysis and Design

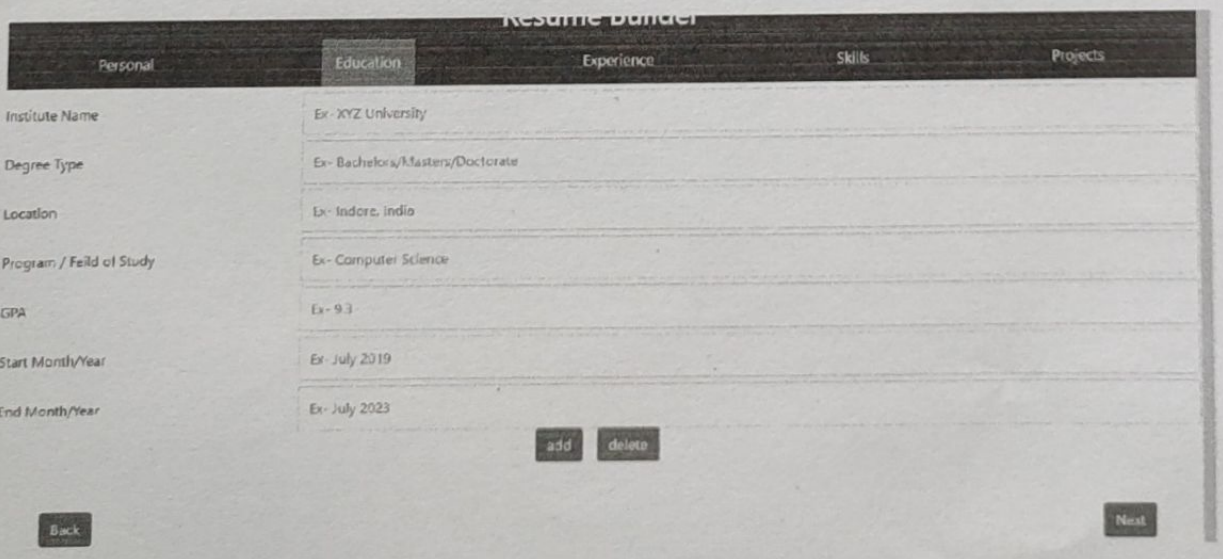
3.1 CODE SNAPSHOTS





3.2 SCREEN SNAPSHOTS





Chapter 4: 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.

4.1Future scope:

- Give the allowance to not only Read the Resume but to even edit/alter it as per user/customer requirements
- We will try to connect the users to some of companies that are present in our database

References:

1. **HTML: MDN Web Docs**
2. **CSS: MDN Web Docs**
3. **JavaScript: MDN Web Docs**
4. **React: MDN Web Docs**

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