

A Mini Project Synopsis on
Resume Builder

S.E. - D.S Engineering

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CERTIFICATE

This to certify that the Mini Project report **Resume Builder** has been submitted by Soham Sunil Shigvan(22107001), Renuka Tanaji Udugade(22107048) and Konika Krishnakumar Yadav (22107006) who are a Bonafede students of A. P. Shah Institute of Technology, Thane, Mumbai, as a partial fulfilment of the requirement for the degree in **CSE(DATA SCIENCE)**, during the academic year **2023-2024** in the satisfactory manner as per the curriculum laid down by University of Mumbai.

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Chapter 1

Introduction

The "RESUME BUILDER" project is a web-based application designed for organizing information, such as educational, personal, and professional aspects of individuals for both new and seasoned users. It is an application that simplifies the task of creating a resume for individuals. The system is flexible to be used and reduces the need of thinking and designing an appropriate resume according to qualifications. The system is developed to provide an easy means for creating a professional looking resume.

1.1 Purpose:-

The purpose of a Resume Builder Project is to provide individuals with a user-friendly and efficient tool for creating, formatting, and customizing their resumes. This project serves several important purpose:

- **Empowering Job Seekers:-** A resume builder empowers job seekers by offering them the means to create professional and well-structured resumes. It provides a level of confidence and competence to individuals who may not be familiar with resume writing.
- **Efficiency:-** Crafting a resume from scratch can be time-consuming and challenging. A resume builder streamlines this process, making it faster and more efficient. Users can input their information and generate a polished resume quickly.
- **Consistency:-** Resume builders help maintain consistency in formatting and content. They ensure that essential sections are included and that the resume adheres to industry standards and best practices.
- **Professional Appearance:-** A well-designed resume is crucial for making a positive first impression on potential employers. A resume builder offers templates and formatting options that make resumes look polished and visually appealing.

- Customization:- Users can tailor their resumes to suit their unique skills, experiences, and career goals. Resume builders often offer customization options for fonts, layouts, and templates.
- Accessibility:- Resume builders are accessible to a wide range of users, including those who may not have access to specialized software or design skills. They can be used by job seekers at all levels of experience.
- Digital and Print Formats:- Users can generate digital versions of their resumes for online job applications and print-ready versions for in-person interviews and networking events.
- Revision and Updating:- Job seekers often need to tailor their resumes for different positions or industries. A resume builder makes it easy to revise and update resumes as needed.
- Data Management:- Some resume builders offer features for storing and managing resumes online, allowing users to access and edit their documents from any device.
- Education and Learning:- For students and individuals new to the job market, resumebuilders can serve as educational tools, helping them learn about resume structure and content.

Overall, a resume builder project exists to simplify and enhance the resume creation process, making it more accessible and efficient for job seekers while helping them present themselves effectively to potential employers.

1.2 Objectives:-

- 1.To empower users to create compelling, tailored resumes that increase their chances of landing job interviews and advancing in their careers.
- 2.To assist users in creating resumes that are polished, well-formatted, and aligned with industry standards.
- 3.To provide prompts, suggestions, and examples to guide users in crafting compelling content for each section of their resumes.
- 4.To help users save time by automating the process of resume creation, eliminating the need to start from scratch

1.3 Scopes:-

1. Assist users in maintaining consistent formatting, styling, and layout throughout the resume, ensuring a professional and polished appearance.
2. Can assist users in crafting effective resumes tailored to their career goals and job opportunities
3. Can provide prompts, suggestions, and examples to help users craft compelling content for each section of their resumes
4. Can encompass a wide range of features and functionalities aimed at simplifying the resume creation process.

Chapter 2

Problem Definition

Many job seekers face difficulties when creating and formatting their resumes, resulting in suboptimal job applications and missed career opportunities. Traditional methods of resume creation, such as using word processors or templates, can be time-consuming, challenging, and may not yield professional results. Additionally, not all individuals have access to resume writing expertise or design skills, making it harder for them to effectively market themselves to potential employers. Poor formatting is one of the first things employers notice when looking at your resume. It can reflect badly on you, as it looks like you don't pay close attention to detail. Standard resume format helps us highlight the more important sections of our resume according to our credentials.

What to include in your resume is the main thing to identify while going through resume building process. The goal of your resume is to quickly help employers learn who you are and whether your skills and experiences match the position you are applying for. Also including all the personal details required for resume is mandatory.

Thus, building a resume is a hectic work for all the candidates. Also it takes very much time as we have to include all the personal and professional information. Instead of consuming your valuable time in resume building process you have to focus on your interview. So the aim of 'The Automated Resume Builder' is to help you to overcome these problems and hand you a proper professional layout of your resume which includes the necessary information in a very systematic way.

Chapter 3

Proposed System

This proposed system of automated resume builder consists of mainly two modules the admin module and the user module. The admin module of the system saves the data of the user, makes the template and lets the user download the template. The user module lets the user enter the details to be included in the resume template. This system would be very useful to the users applying towards their higher education or job of their dreams. There are many features that make the system a useful domain. The main purpose of resume builder is to provide that user with a professional template to help them achieve their goals.

3.1 Features and functionality :-

A Resume Builder project should offer a comprehensive set of features and functionalities to make the resume creation process easy and effective for users. Here's a list of essential features and functionality for a Resume Builder project:

➤ User Registration and Profiles:

- Allow users to create accounts and manage their profiles.
- Store user preferences, resume history, and contact information.

➤ Resume Creation and Editing:

- Provide an intuitive and user-friendly interface for creating and editing resumes.
- Include standard resume sections such as contact information, summary, work experience, education, skills, and additional sections.

➤ **Templates and Customization:**

- Offer a variety of professionally designed resume templates.
- Allow users to customize templates with different fonts, colors, and layout options.
- Enable users to switch between templates without losing their content.

➤ **Real-time Preview:**

- Implement a real-time preview feature that displays the resume as users make changes.
- Ensure that the preview accurately reflects the final printed or downloadable resume.

➤ **Content Import:**

- Allow users to import data from sources like LinkedIn or upload existing resumes.
- Automatically populate resume sections with imported data, saving users time.

➤ **Export Options:**

- Enable users to export their resumes in various formats (e.g., PDF, Word, plain text).
- Include the option to save resumes on the cloud or download them to local devices.

➤ **Data Security:**

- Prioritize data security and implement measures to protect user information and resume data.

➤ **User Support:**

- Provide customer support resources, FAQs, and a help center to assist users in using the platform effectively.

By incorporating these features and functionalities into your Resume Builder project, you can create a valuable tool that meets the diverse needs of job seekers and empowers them to craft professional resumes effectively.

Chapter 4

Program Outcome

Defining program outcomes for a Resume Builder project created using NetBeans can help potential employers and stakeholders understand the specific skills and accomplishments associated with the project.

Here are some program outcomes that you can include in your resume or project documentation:

1. Proficiency in Java Programming:

Developed the Resume Builder application primarily using Java, demonstrating strong coding skills and adherence to Java best practices.

2. User Interface Design:

Designed an intuitive and user-friendly graphical user interface (GUI) that enhances user experience and usability.

3. Database Management:

Implemented database functionality to allow users to store and retrieve their resume data, showcasing competence in database management.

4. Dynamic Resume Generation:

Created a dynamic system that generates professional resumes from user input, highlighting skills in data manipulation and document generation.

5. Data Validation and Error Handling:

Implemented robust data validation and error-handling mechanisms to ensure data integrity and a seamless user experience.

6. Responsive Design:

Developed a responsive design to ensure the application's usability on different devices and screen sizes, showcasing adaptability in user interface design

Chapter 5

Software Requirement

The development and successful operation of an Resume Builder require a well defined set of software requirements to ensure its functionality, security, and usability. Thus here are some software required for e attendance records :

1. Net Beans Apache 19
2. MYSQL (Database)
3. JAVA (backend & frontend)
4. Java Development Kit 20

By ensuring that your system meets these software requirements, you can create, develop, and deploy Java-based applications with a graphical user interface using NetBeans Apache 19, a MySQL database, and Java for both frontend and backend development.

Chapter 6

Project Design

Design is the first step in the development phase for any engineering product (or) system. It may be defined as “the process of applying various techniques and principles for the purpose of defining a device, a process, or a system insufficient detail to permit its physical realization”. Software design is an iterative process through which requirements are translated into a ‘Blue print’ for constructing the software.

The design is represented at a high level of abstraction, a level that can be directly translated to specific data, functional and behavioral requirements. The interface design describes how the software communicates within itself, to systems that interoperate with it, and with humans who use it. An interface implies a flow of information (e.g., data and /pr control). Therefore, the data and control flow diagrams provide the information required for interface design.

The goal of Database Design is to generate a set of relation schemes that allow us to store information without unnecessary redundancy and allows us to retrieve information easily.

We can achieve optimization, ease of use in maintenance by designing the database using relational model between or among the tables.

1) Login Page

A login page is essential to ensure that users have secure access to their resumes and personal data.

The image shows a login page with a dark background. At the top left, the text 'RESUME BUILDER' is displayed, with 'RESUME' in white and 'BUILDER' in orange. To the right of this, the text 'LOG IN' is in white. In the top right corner, there are two buttons: 'REGISTER' and 'BACK', both in white text on dark backgrounds. Below the 'LOG IN' text, there are two input fields: 'USERNAME : ' followed by a white rectangular box, and 'PASSWORD : ' followed by a white rectangular box. Below the password field is a 'LOG IN' button in white text on a dark background. On the left side of the input fields, there is a vertical stack of four white upward-pointing chevrons. On the right side, there is a vertical stack of four white upward-pointing chevrons. At the bottom left and bottom right corners, there are two 5x5 grids of small orange dots.

Figure 6.1 Login Page

2) Registration Page

Create a user-friendly registration form where users can provide necessary information to create an account. This typically includes fields for: Full name, Email address, Password, Confirm password.

The registration page has a dark background. On the left, the text 'RESUME BUILDER' is displayed, with 'RESUME' in white and 'BUILDER' in orange. To the right of this, the word 'REGISTER' is written in white. Below 'REGISTER', there are four white input fields stacked vertically, each preceded by a label in white: 'NAME:', 'EMAIL:', 'PASSWORD:', and 'CONFIRM PASSWORD:'. To the left of these labels are four orange chevrons pointing upwards. Below the input fields is a white button with the text 'register'. At the top right, there is a white button with the text 'Back'. At the bottom center, there is a white button with the text 'ALREADY REGISTER ? MOVE TO LOG IN'. The page is decorated with orange chevrons on the right side and orange dot patterns in the bottom corners.

Figure 6.2 Registration Page

3) Personal Details

Here in this page of personal details the user needs to fill up with his/her normal general details such as job profile, full name, mobile no, address, email, country , linkedin profile link etc in the respective field and then proceed to save and continue button to fill the other required fields.

PERSONAL DETAILS : Label11 **RESUME BUILDER**

PERSONAL DETAILS

EDUCATION

SKILLS/INTEN/PROJECT

WORL EXPE/CERTI

SELECT PEMPLATES

JOB PROFILE :

FULL NAME :

EMAIL : **CONTACT :**

COUNTRY : **STATE/ZIP :**

LINKEDIN/GITHUB PROFILE LINK :

PROFESSIONAL SUMMARY/ABOUT ME :

LOG OUT **BACK** **SAVE** **NEXT**

Figure 6.3 Personal Details

4) Education details

In this page of education details user need to fill up with his/her education details such as college name, completed year.

The screenshot displays the 'Education Detail Page' within a 'RESUME BUILDER' application. The interface features a dark-themed sidebar on the left with a vertical red highlight on the 'EDUCATION' menu item. The sidebar contains the following options: 'EDUCATION :', 'PERSONAL DETAILS', 'EDUCATION', 'SKILLS/INTEN/PROJECT', 'WORL EXPE/CERTI', 'SELECT PEMPLATES', 'LOG OUT', and 'BACK'. The main content area is titled 'jLabel1' and 'RESUME BUILDER'. It contains two identical sets of input fields for education details. Each set includes a 'COLLEGE NAME :' field, a 'COMPLETED YEAR :' field, a 'DEGREE :' field, and a 'CITY :' field. At the bottom right of the main area, there are 'SAVE' and 'NEXT' buttons. The 'LOG OUT' button is located at the bottom left of the sidebar.

Fig 6.4 Education Detail Page

5) Skills/Internship/Project

This page are central to showcasing a candidate's qualifications and experiences.

The screenshot shows a web interface for a resume builder. On the left is a vertical sidebar with a black background and white text. It contains a list of menu items: 'PERSONAL DETAILS', 'EDUCATION', 'SKILLS/INTEN/PROJECT' (which is highlighted with a red vertical bar), 'WORL EXPE/CERTI', 'SELECT PEMPLATES', and 'LOG OUT' at the bottom. The main content area has a white background and is titled 'SKILLS/INTENSHIP/PROJECT :'. It contains three large, empty rectangular input fields labeled 'SKILLS :', 'INTENSHIPS :', and 'PROJECTS :'. At the bottom of the main area, there are four buttons: 'LOG OUT', 'BACK', 'SAVE', and 'NEXT'.

Figure 6.5 Skill/Intership/Project

6) Work Experience

Here in this page of work experience the user needs to fill up with his/her normal work experience like past certification

The screenshot shows a web application interface for a resume builder. The top header bar contains the text "WORK EXPERIENCE/CERTIFICATION/ADD MORE DETAILS :" on the left and "jLabel5 RESUME BUILDER" on the right. A vertical sidebar on the left side of the page contains several menu items: "PERSONAL DETAILS", "EDUCATION", "SKILLS/INTEN/PROJECT", "WORL EXPE/CERTI" (which is highlighted with a red vertical bar), "SELECT PEMPLATES", and a "LOG OUT" button at the bottom. The main content area on the right is divided into three sections: "WORK EXPERIENCE :", "CERTIFICATION :", and "ADD MORE DETAILS :". Each section has a large, empty rectangular box for text input. At the bottom of the page, there are four small buttons labeled "BACK", "SAVE", "UPDATE", and "NEXT".

Figure 6.6 Work Experience Page

7)Select Templates

Providing a wide selection of templates and customization options enhances the user experience and enables users to create resumes that stand out and reflect their unique personalities and professional goals.

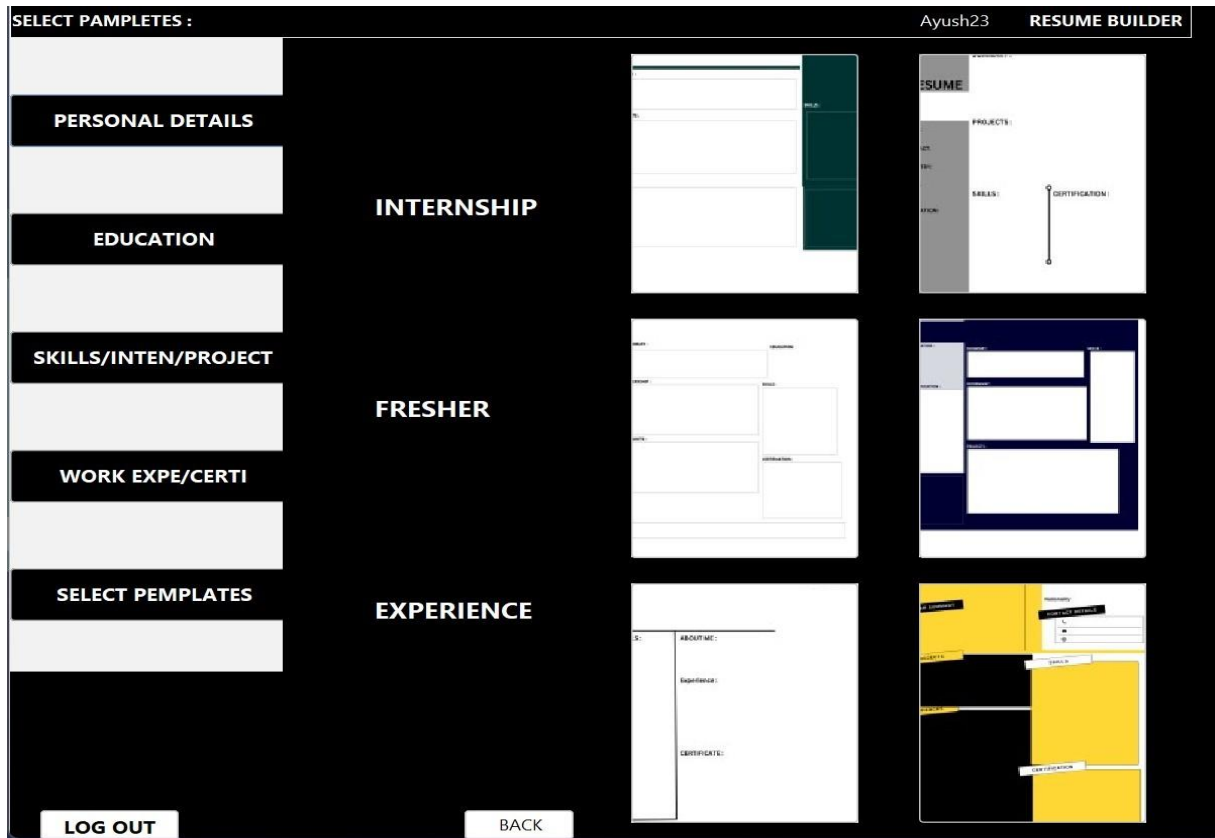


Figure 6.7 Select Templet

Chapter7

Project Scheduling Template

Sr. No	Group Member	Time duration	Work to be done
1	Soham Shigvan	1 st week of August	Group Formation & Project topic Finalization
		2 nd week of August	Topic selection for Project
		3 rd week of August	Designing Paper Prototype for Graphical User Interface(GUIs)
		4 th week of August	Designing Graphical user Interface(GUIs)
2	Renuka Udugade	1 st week of September	Designing Graphical user Interface(GUIs)
		2 nd week of September	JDBC-ODBC Connection of login and registration page.
		3 rd week and 4 th week of September	JDBC-ODBC Connection of personal and education details page.
3	Konika Yadav	1 st and 2 nd week of October	JDBC-ODBC Connection of Skills and work experience page.

GANTT CHART

A Gantt chart is a helpful tool for visually representing project schedules. It shows task durations, start and finish dates, and task relationships, aiding in project management and progress tracking.

The Resume Builder project modernizes operations, improving efficiency and customer experience. There's potential for further enhancements, tech integration, and scalability.

The chart's rows contain task titles like project conception and design, with subdivisions. Columns show task durations, work completion percentages, weeks needed, specific dates, and team members.

The Gantt chart detailing the project schedule is as follows: The project conception and initiation phase was initiated by the end of the month, around 26/10/23, lasting for one week. This phase involved a series of crucial sub-tasks, such as team formation, where Soham Shigvan, Renuka, and Konika Yadav were brought together, and topic finalization, with "Resume Builder" chosen as the project's focus. In the subsequent week, the team delved into the task of identifying the scope and objectives of the mini-projects. The following sub-task involved defining the functionalities of the project, and this was efficiently accomplished by Renuka and Konika Yadav over a week, from 25/08/23 to 01/09/23. A one-week period from 02/09/23 to 07/09/23 was dedicated to discussing the project topic, aided by a paper prototype and equally contributed to by all team members. The critical task of GUI design was planned by Renuka and Konika and executed by Soham from 09/09/23 to 21/09/23.

The subsequent step encompassed working on the database connectivity and functionalities of the project's modules, a task effectively carried out by Soham Shigvan from 07/10/23 to 18/10/23. Renuka and Konika Yadav collaborated on the integration of all project modules, user interfaces, and report writing, completing this task from 18/10/23 to 21/10/23. Finally, the preparation of the final presentation II work was a shared effort by all group members over a two-week period, spanning from 21/10/23 to 27/10/23. This comprehensive breakdown of tasks offers a clear and organized view of the project's timeline and the responsibilities of each team member.

Chapter 8

Conclusion

In conclusion, the Resume Builder project developed in NetBeans showcases my growth as a software developer. This project highlights my proficiency in Java programming, user interface design, and database management. Notable features include an intuitive user interface, dynamic resume creation, database integration, export and share options, and responsive design. This project has been a valuable learning experience, helping me overcome challenges, enhance problem-solving skills, and refine my ability to work collaboratively.

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<https://www.geeksforgeeks.org/about/>

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