



Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur

Project Kit

Title of the Project

Resume Builder System

Abstract of the project

The **Resume Builder** is a web-based application designed to simplify and optimize the process of creating professional resumes. By centralizing and automating key features, it enhances efficiency, accuracy, and accessibility for job seekers across various industries. Key features include a **customizable resume template module**, which allows users to input personal information, professional experience, educational qualifications, and skills. This ensures a polished, well-structured document that can be updated easily to remain relevant and up-to-date.

The system also offers **AI-driven content optimization**, providing tailored suggestions for improving language, emphasizing key skills, and aligning with specific job requirements. This functionality reduces the likelihood of errors and ensures that resumes stand out to hiring managers and applicant tracking systems (ATS).

Additionally, the Resume Builder streamlines the process of **job application tracking and resume sharing**. Users can monitor applications and create multiple versions of resumes tailored to different roles or industries, ensuring flexibility and precision in job hunting efforts.

Overall, the Resume Builder is an essential tool for modern professionals, improving the efficiency of resume creation and enhancing job-seeking success.

Functional components of the project

Following is a list of functionalities of the system. More functionality that you find appropriate can be added to this list. And in places where the description of functionality is not adequate, you can make appropriate assumptions and proceed.

Users of the system: Registered Users and Administrators are the users of this system.

Users of the system: Authorized User and Administrator are the users of this system.

Functionality:

The Resume Builder System is a user-friendly web application designed to help individuals create professional and customized resumes with ease. It provides users with a step-by-step interface to enter their personal, educational, and professional details, select from various pre-designed templates, and generate polished resumes in real-time. The system includes essential functionalities like login/registration, profile management, live resume preview, and PDF export. Administrators have additional capabilities to manage templates, monitor user activity, and respond to user feedback. The goal is to simplify the resume creation process while maintaining high standards of design and usability.

Menu should contain following page :

- **Login Page**

A welcome page with a login form for user authentication. The system checks user credentials against the database. Unregistered users are directed to the registration page.

Registration Page user of this system should register himself with personal details.



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- **User Dashboard**

After logging in, users are directed to their dashboard where they can start building a resume, view saved resumes, or edit existing ones.

- **Personal Information Page**

Users input personal details such as name, contact, address, and career objectives.

- **Education Details Page**

It This section collects data about educational qualifications including degrees, institutions, and dates attended.

- **Work Experience Page**

Users can list their previous job roles, companies, durations, and responsibilities.

- **Projects and Certifications Page**

Allows users to add academic or professional projects and certifications relevant to their career.

- **Skills Page**

Users can specify technical skills, soft skills, and language proficiencies.

- **Template Selection Page**

The system provides multiple professional resume templates for the user to choose from.

- **Live Resume Preview Page**

As the user inputs data, a live preview of the resume is shown, formatted in the selected template.

- **Export Resume Page**

Users can generate and download their resume in PDF format.



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Steps to start-off the project:

Web-based platform: The system is developed using HTML, CSS, and JavaScript for the front end and PHP with MySQL as the back end.

The following steps will be helpful to start off the project :-

1. Get a firm grasp on the above technology.
2. Analyze common resume structures and data requirements.
3. Design the system flow and UI/UX layout for ease of use.
4. Implement core modules like form handling and resume preview.
5. Integrate PDF generation functionality.
6. Test thoroughly for input validation, responsiveness, and export accuracy.
7. Deploy the system and collect feedback for improvements.

Requirements :-

Hardware requirements -

Number	Description	Alternatives (If available)
1	PC with 512GB hard-disk and 8GB RAM	Not-Applicable

Software requirements -

Number	Description	Alternatives (If available)
<u>1</u>	<u>Windows11 with MS- office</u>	<u>Not Applicable</u>
<u>2</u>	<u>XAMPP (includes PHP, Apache, MySQL)</u>	<u>WAMP, LAMP</u>
<u>3</u>	<u>Code Editor (e.g., Visual Studio Code)</u>	<u>Sublime Text, Atom</u>
<u>4</u>	<u>Web Browser (e.g., Google Chrome, Firefox)</u>	<u>Microsoft Edge, Safari</u>

Manpower requirements

3 students can complete this in 4 – 6 months if they work fulltime on it.

Milestones and Timelines



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Number	Milestone Name	Milestone Description	Timeline Week no. from the	Remarks
			start of the project	
1	Requirements Specification	Complete specification of the system with assumptions. Document and present system objectives and modules.	2-3	Work on identifying user roles, core sections of the resume, and expected system behavior.
2	Technology familiarization	Hands-on practice with HTML, CSS, JS, PHP, MySQL.	4-5	Focus this time on exploring features relevant to dynamic form handling and PDF generation.
3	Database creation	Design and implement schema for storing user info, education, skills, etc.	5-7	Use this period to finalize tables and relationships to support multi-template resumes.
4	Front-End Implementation	Develop UI for login, dashboard, forms, and template selection.	10-12	Allocate this time for designing and styling user-friendly and responsive interfaces.
5	Back-End Integration	Connect forms and preview with backend database and PDF logic.	12-13	Work on backend logic to ensure resume data storage and accurate preview/export features.
6	Integration Testing	Test complete system, validate input, templates, and export functionality.	14-15	Conduct full system testing and debug any rendering or data handling issues.



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7	Final Review	Review against requirements, fix remaining issues, and prepare for final presentation.	16-18	Use this time for polishing the project, final documentation, and demo preparation.
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Guidelines and References

<https://www.w3schools.com> – HTML, CSS, JavaScript
<https://developer.mozilla.org> – Web standards and reference
<https://www.php.net/manual/en> – PHP documentation
<https://www.mysqltutorial.org> – MySQL usage guide
<https://www.fpdf.org> – PDF generation with PHP (FPDF)
<https://getbootstrap.com> – For responsive design framework