



Resume Building Web Application

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ABSTRACT

These days, landing a job is tough, and creating the perfect resume is often the biggest challenge for job seekers. A resume is usually the first thing employers look at when considering an applicant, and they use it to narrow down candidates before moving to interviews. This paper aims to present an easy and user-friendly way to build resumes. We are introducing an app that helps users create resumes simply by providing their information. The resume builder app lets users log in or sign up using OTP verification and allow them to create, update, delete, view, and save their resumes in PDF format.[3] This project introduces a web-based resume-building application designed to simplify the resume creation process. This tool is aimed at making resume building more accessible, efficient, and user-friendly for individuals at any career stage.[1] With the rise of online recruitment, traditional hiring methods are becoming less effective. In India, especially in the IT sector, there are plenty of jobs, but many candidates don't meet the requirements. Resumes are often poorly organized, and the skills listed aren't verified, making it hard for recruiters to choose the right person for the job. Big tech companies use an Application Tracking System (ATS) to filter through many resumes, but this still leaves challenges.[4] To solve this problem, we propose building a machine learning web app that creates well-structured, verified resumes and portfolios. The platform, called "RealResume," will verify the candidate's skills through mock tests and make sure the resume meets ATS guidelines. Verified resumes will be shown to recruiters and categorized according to their needs, making the hiring process easier by ensuring that only qualified candidates are presented for each job role.[2] A resume is a document job seekers use to highlight their qualifications for a position, summarizing their experience and education to show why they're a good fit for a job. For new graduates, creating a resume can be challenging because they have limited practical experience. Research shows that around 75% of resumes don't even make it past the first stage at companies, and the numbers are worse for fresh graduates. [5] Other common problems with resumes include poor organization, incorrect formatting, and not knowing which sections to include or leave out.[5]

1 Introduction

This is a program that assists in preparing CVs for people. The system is flexible for creating an appropriate resume according to qualification without much thinking. Generally, people get confused in making a resume, especially fresher who are looking for a job for the very first time.



They do not have a clear idea as to what components and what information should be there in the resume. This application will assist in developing a resume in a new way that would appear as an expert's resume. [1] A resume-building web application is a truly exciting project because it combines some of the practical needs of job seekers with modern technology. Many of these applications let users create professional, polished resumes quickly and easily and offer numerous templates and customization options. Whether you are entering the job market for the first time or are a seasoned professional looking to give your resume a facelift, a resume building app makes it easy, guiding users through the essentials: name and contact information, work history, education, skills, and so on [2]. A resume-building web application allows users to easily create professional resumes in the comfort of their own homes. The software guides them in filling up details regarding personal information, work experience, skills, and education and provides a template to customize the design of the resume. It allows users to generate, preview, and download their resume in formats such as PDF. This kind of application simplifies making a resume, faster and more convenient for the users. [4]

2 Literature review

Long Back resumes were prepared in the manual way by using MS Word and the format of that time was really different. These are the fields through which applicants used to mention their details in their resume, in personal information applicants used to write their name, address and phone number. Applicants also used to mention their personal opinion in their resume. That time applicants used to mention their both early and recent education details.

Applicants used to create either too short or too long resumes because at that time there were no standards set for ideal length of resumes. [2] A resume-building web application is the most convenient way of having a professional resume. It is possible through pre-designed templates and user-friendly tools which will easily assist people who have little or no experience in design or formatting and speed up the process. [1] Some inferences drawn from the literature review and research on the resume regarding what should be the length of a resume? What information should be included in a resume? What information should be avoided while writing a resume? Ideally in personal information name, address, phone number, email address should be included and height, weight, religion, birthdate, marital status should be avoided. [3]

3 Problem Statements

In the past, creating a resume was a time-consuming and often frustrating process due to several limitations of traditional methods. First, manual formatting using word processors was challenging, requiring users to carefully adjust margins, fonts, and spacing to achieve a professional look. This process was prone to errors, making it difficult to maintain consistency across the document. Additionally, there were limited templates available, forcing users without design skills to create resumes that often appeared plain and lacked visual appeal [3]. Another significant issue was the lack of real-time feedback. In traditional resume creation methods provided no real-time preview, meaning users could not see the final



appearance of their resume until the entire document was finished. Limited access to expert guidance is one of the problem in earlier days, job seekers had minimal access to expert tips or suggestions on how to structure their resumes or what to include. They had to rely on generic advice from books or peers. This resulted in many job seekers missing critical information or sections in their resumes, negatively impacting their job prospects.[3]

3.1 Problem Statement Solutions

Web-based resume-building applications effectively address the challenges associated with traditional resume creation methods. Firstly, they provide user-friendly formatting tools that automate the design process, allowing users to select from various professional templates that ensure consistent formatting without manual adjustments. This streamlines resume creation, saving time and reducing errors.[3] Resume-building web applications offer real-time feedback through live editing features, allowing users to see instant changes as they input information. This allows users to see how their resumes will look immediately, enabling them to make adjustments on the spot.[3]

4 Methodology

Requirements Gathering: This initial phase involves conducting surveys and interviews with potential users, such as job seekers and recruiters, to identify their needs and desired features, including templates and ATS compatibility.

Design Phase: Designers create wireframes and prototypes to establish a user-friendly interface and intuitive navigation, ensuring an optimal user experience.

Technology Stack Selection: Developers choose appropriate technologies, including front-end frameworks (like React or Angular) and back-end technologies (such as Node.js or Python), based on scalability and performance requirements.

Development Phase: This phase involves coding the application, focusing on core features like real-time editing, template customization, and ATS optimization.

Real-Time Feedback Integration

Developers implement functionalities that provide instant feedback as users create resumes, including content suggestions and formatting tips.

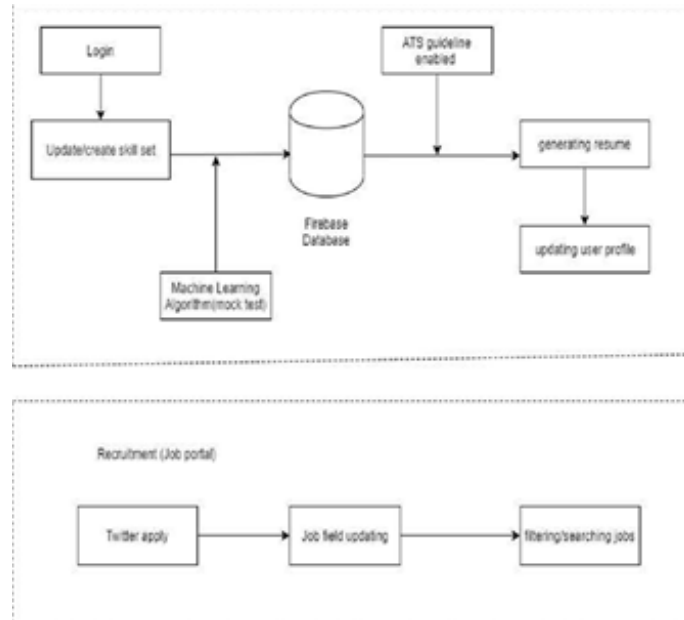
Testing: Various testing methods—unit, integration, and usability tests—are conducted to identify bugs and ensure a seamless user experience.

Deployment: The application is launched on a secure hosting platform, optimized for performance and security.



System Flow Chart

System Interface



System login interface

Sign in to Real Resume

Email address

Password

Forgot password ?

Login

New to Real resume?

[Create a account](#)



The mainframe

5 Conclusion

In conclusion, In this report, we have proposed a machine learning solution for the skill-based resume. building a resume has now been madeeasy for most people thanks to software that allows you to build it online in a few minutes, or even seconds, especially if you are applying for the first time. Such resume builders have a wide array of templates and tools for modifying the document and are generally very useful to users with little or no experience in such tasks, particularly new graduates. These websites alsomake sure that the resumes are ATS friendly which makes the chances of being seen by employers higher.[2]

Reference

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