PROJECT REPORT

on
"Resume Builder
Web Application"

Department of Computer Engineering & Applications

GLA UNIVERSITY, MATHURA-281406

SESSION- 2022-23

<u>**SUBMITTED BY: -**</u>   <u>**SUBMITTED TO: -**</u>

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<u>Declaration</u>

We hereby declare that the work which is being presented in the Full Stack Project "**Resume Builder Web Application",** in partial fulfilment of the requirements for Full Stack Project, is an authentic record of our own work carried by the team members under the supervisionof our mentor Mr. Mandeep Singh.

 Group Members:

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Course: B.Tech (Computer Science and Engineering)

Year: 3rd

Semester: 6th

Supervised By
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<u>Certificate</u>

This is to certify that the above statements made by the candidates are correct to the best of my/our knowledge and belief.

_____ Supervisor

Mr. Mandeep Singh

Technical Trainer

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_____   _____

Project Mentor   Program Coordinator

(Mr. Mandeep Singh)   (Mr. Shubash C Agrawal)

About the Project

A resume builder website project is a web-based platform that helps individuals create professional resumes for their job applications. The website typically provides users with templates and tools to build a customized resume that highlights their skills, experience, and qualifications.

The primary goal of a resume builder website project is to simplify the resume creation process for job seekers, especially those who may not have the necessary knowledge or expertise to create a professional-looking resume on their own. The website typically guides users through the resume-building process, offering suggestions and prompts for relevant information and formatting.

Key features of a resume builder website project may include:

- A user-friendly interface that allows users to easily create, edit, and save their resumes
- A selection of customizable templates that users can choose from, based on their preferred style and industry
- Tools and prompts to help users include relevant information, such as work experience, education, skills, and achievements
- The ability to import data from social media profiles or existing resumes
- A preview function that allows users to see how their resume will look to potential employers
- Options for exporting or sharing the finished resume, such as downloading a PDF or sharing a link

Overall, a resume builder website project can be a useful tool for job seekers who want to create a professional resume quickly and easily.

Motivation

The motivation for a resume builder website project is to address the challenges that job seekers face when creating a professional resume. Many job seekers find it difficult to create a resume that effectively highlights their skills and experience, especially if they are not familiar with the latest resume formats and trends.

A resume builder website project aims to simplify the resume creation process for job seekers by providing a user-friendly platform that guides users through the process of creating a professional-looking resume. By offering customizable templates, prompts for relevant information, and tools for formatting and editing, the website can help users create a polished and effective resume that stands out to potential employers.

Moreover, a resume builder website project can save job seekers time and effort. Rather than spending hours trying to create a resume from scratch or hiring a professional resume writer, users can simply input their information into the website and generate a customized resume quickly and easily.

In summary, the motivation for a resume builder website project is to help job seekers overcome the challenges of creating a professional resume and increase their chances of getting hired. By providing a streamlined and user-friendly platform for resume creation, the website can empower job seekers to present themselves in the best possible light to potential employers.

<u>Requirements</u>

a). Software Requirements:

- Language Used: JS(REACT)
- User Interface Design: HTML, CSS, React
- Web Browser: Google Chrome and Microsoft Edge
- Front End: HTML, CSS, React
- GitHub: GitHub is a code hosting platform for version control and collaboration. It lets you and others work together on projects from anywhere. GitHub Repository: A GitHub repository can be used to store a development project. It can contain folders and any type of files (HTML, CSS, JavaScript, Documents, Data, Images). A GitHub repository should also include a license file and a README file about the project. A GitHub repository can also be used to store ideas, or any resources that you want to share.

b). Hardware Requirement:

- Processor: Pentium 4 or more

- Operating System: Windows 7 or above

- Ram: 4GB or more

- Hardware Devices: Laptop, Keyboard, Mouse

- Hard Disk: Minimum as per bran

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<u>Acknowledgement</u>

We thank the almighty for giving us the courage and perseverance in completing the project. This project itself is an acknowledgement for all those people who have given us their heartfelt co-operation in making this project a grand success.

We extend our sincere thanks to Mr. Mandeep Singh, Technical Trainer at "GLA University, Mathura" for providing his valuable guidance at every stage of this project work. We are profoundly grateful towards the unmatched services rendered by him. And last but not least, we would like to express our deep sense of gratitude and earnest thanks giving to our dear parents for their moral support and heartfelt cooperation in doing the project.

"Resume Builder Web Application"

Abstract

The Resume Builder Website Project is an innovative and user-friendly web application designed to simplify the process of creating a professional resume. The website offers a range of customizable templates and layouts that have been created by professional designers to ensure that users' resumes are visually appealing and easy to read. Users can input their personal details, work experience, education, skills, and other relevant information using the intuitive interface.

The website also allows users to save their resumes online and edit them at any time, making it easy for them to keep their resumes up to date. Additionally, users can download their resumes in PDF format, making it easy for them to share their resumes with potential employers.

The Resume Builder Website Project is an innovative solution that aims to make the job search process easier and more efficient for users. By providing a simple, intuitive platform for creating professional resumes, the website can help users stand out in a crowded job market and increase their chances of finding their dream job.

Introduction

The Resume Builder Website Project is a web application designed to help users create professional resumes quickly and easily. The website provides a user-friendly interface where users can input their personal details, work experience, education, skills, and other relevant information.

The project aims to simplify the process of creating a resume by providing users with a range of customizable templates and layouts to choose from. The templates have been designed by professional designers to ensure that they are visually appealing and easy to read. Users can also customize their resumes by choosing different fonts, colors, and styles.

The website also includes a feature that allows users to save their resumes online and edit them at any time. This means that users can access their resumes from anywhere and update them as needed. Additionally, the website provides users with the option to download their resumes in PDF format, making it easy for them to share their resumes with potential employers.

Overall, the Resume Builder Website Project is designed to simplify the process of creating a professional resume, helping users to stand out in a crowded job market.

Technologies Used

- ## HTML:

HTML stands for Hypertext Markup Language. It is used to design web pages using a markup language. HTML is the combination of Hypertext and Markup language. Hypertext defines the link between web pages. A markup language is used to define the text document within the tag which defines the structure of web pages. This language is used to annotate (make notes for the computer) text so that a machine can understand it and manipulate text accordingly. Most markup languages (e.g., HTML) are human-readable. The language uses tags to define what manipulation has to be done on the text. HTML is a markup language used by the browser to manipulate text, images, and other content, in order to display it in the required format. HTML was created by Tim Berners-Lee in 1991. The first-ever version of HTML was HTML 1.0, but the first standard version was HTML 2.0, published in 1995.

Elements and Tags:

HTML uses predefined [tags](#) and [elements](#) which tell the browser how to properly display the content. Remember to include closing tags. If omitted, the browser applies the effect of the opening tag until the end of the page.

HTML page structure:

The basic structure of an HTML page is laid out below. It contains the essential building-block elements (i.e., doctype declaration, HTML, head, title, and body elements) upon which all web pages are created.
Basic/built-in text editors are Notepad (Windows) and TextEdit (Macs). Basic text editors are entirely sufficient for when you are just getting started. As you progress, there are many feature-rich text editors available which allow for greater function and flexibility.

• CASCADING STYLE SHEETS (CSS):

Cascading **S**tyle **S**heets, fondly referred to as **CSS**, is a simply designed language intended to simplify the process of making web pages presentable. CSS allows you to apply styles to web pages. More importantly, CSS enables you to do this independent of the HTML that makes up each web page. It describes how a webpage should look: it prescribes colours, fonts, spacing, and much more. In short, you can make your website look however you want. CSS lets developers and designers define how it behaves, including how elements are positioned in the browser.

While html uses tags, CSS uses rulesets. CSS is easy to learn and understand, but it provides powerful control over the presentation of an HTML document.

- **CSS saves time:** You can write CSS once and reuse the same sheet in multiple HTML pages.
- **Easy Maintenance:** To make a global change simply change the style, and all elements in all the webpages will be updated automatically.

- **Search Engines:** CSS is considered a clean coding technique, which means search engines will not have to struggle to "read" its content.
- **Superior styles to HTML:** CSS have a much wider array of attributes than HTML, so you can give a far better look to your HTML page in comparison to HTML attributes.
- **Offline Browsing:** CSS can store web applications locally with the help of an offline cache. Using this we can view offline websites.
- CSS comprises style rules that are interpreted by the browser and then applied to the corresponding elements in your document.

  A style rule set consists of a selector and declaration block. The selector points to the HTML element you want to style.

- The declaration block contains one or more declarations separated by semicolons.
- Each declaration includes a CSS property name and a value, separated by a colon. CSS declaration always ends with a

semicolon, and declaration blocks are surrounded by curly braces.

Inheritance, the Cascade, and Specificity are the big three. Understanding these concepts will allow you to write very powerful stylesheets and save time by writing fewer CSS rules.

CSS Box Model:

- Every element in CSS can be represented using the BOX model
- It allows us to add a border and define space between the content
- It helps the developer to develop and manipulate the elements
- It consists of 4 edges
    - Content edge – It comprises of the actual content
    - Padding edge – It lies in between content and border edge
    - Border edge – Padding is followed by the border edge
    - Margin edge – It is an outside border and controls the margin of the element.

- **<u>JAVA SCRIPT:</u>**

JavaScript is a dynamic computer programming language. It is lightweight and most used as a part of web pages, whose implementations allow client-side script to interact with the user and make dynamic pages. It is an interpreted programming language with object-oriented capabilities.

JavaScript was first known as **Live Script,** but Netscape changed its name to JavaScript, possibly because of the excitement being generated by Java. JavaScript made its first appearance in Netscape 2.0 in 1995 with the name **Live Script**. The general-purpose core of the language has been embedded in Netscape, Internet Explorer, and other web browsers.

The <u>ECMA-262 Specification</u> defined a standard version of the core JavaScript language.

- JavaScript is a lightweight, interpreted programming language.
- Designed for creating network-centric applications.
- Complementary to and integrated with Java.
- Complementary to and integrated with HTML.
- Open and cross-platform

Client-side JavaScript is the most common form of the language. The script should be included in or referenced by an HTML document for the code to be interpreted by the browser.
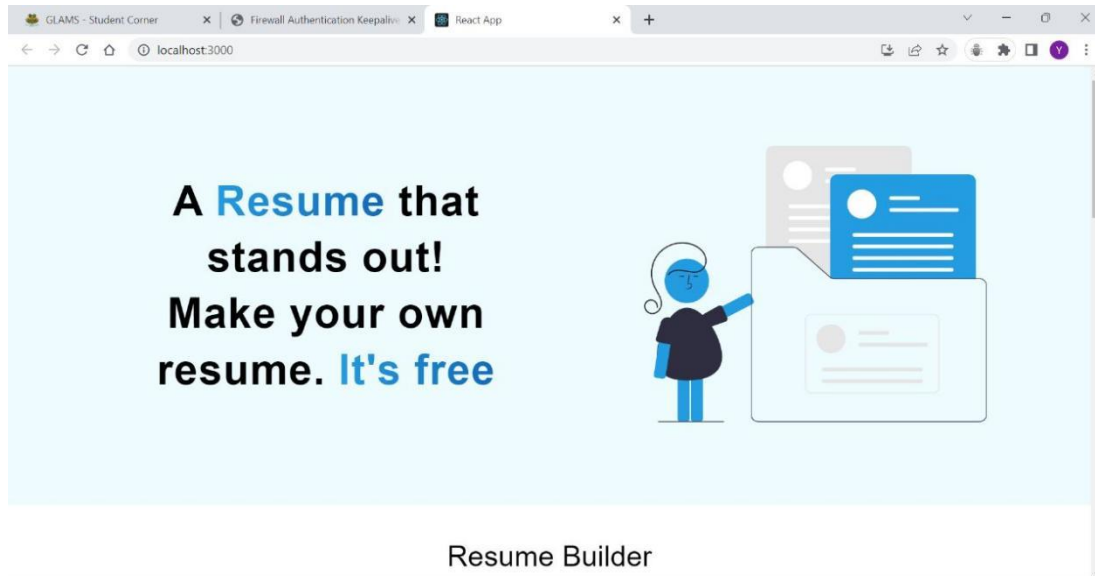
- It means that a web page need not be a static HTML, but can include programs that interact with the user, control the browser, and dynamically create HTML content.

- The JavaScript client-side mechanism provides many advantages over traditional CGI server-side scripts. For example, you might use JavaScript to check if the user has entered a valid e-mail address in a form field.

- The JavaScript code is executed when the user submits the form, and only if all the entries are valid, they would be submitted to the Web Server.

- JavaScript can be used to trap user-initiated events such as button clicks, link navigation, and other actions that the user initiates explicitly or implicitly.

One of major strengths of JavaScript is that it does not require expensive development tools. You can start with a simple text editor such as Notepad. Since it is an interpreted language inside the context of a web browser, you do not even need to buy a compiler.

To make our life simpler, various vendors have come up with very nice JavaScript editing tools. Some of them are listed here −

- **Microsoft FrontPage** − Microsoft has developed a popular HTML editor called FrontPage. FrontPage also provides web developers with a few JavaScript tools to assist in the creation of interactive websites.

- **Macromedia Dreamweaver MX** − Macromedia Dreamweaver MX is a very popular HTML and JavaScript editor in the professional web development crowd. It provides several handy prebuilt JavaScript components, integrates well with databases, and conforms to new standards such as XHTML and XML.
- **Macromedia Home Site 5** − Home Site 5 is a well-liked HTML and JavaScript editor from Macromedia that can be used to manage personal websites effectively.
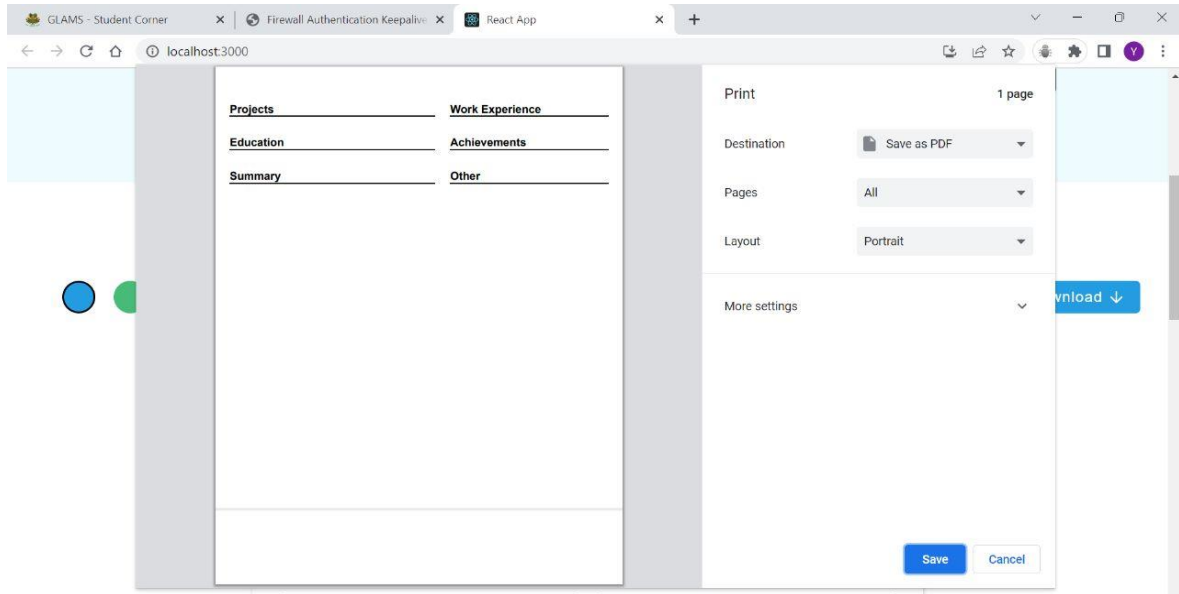
List of Figures

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<u>Conclusion</u>

We have completed our project within time limit with the coordination of our team members under the supervision of our mentor Mr. Mandeep Singh

Our project repository is available at:

https://github.com/Yogesh007587/resume-builder

<u>Bibliography</u>

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