

## **ABSTRACT**

The purpose of Online Resume Builder is to automate the existing manual system by the help of computerized equipments and full fledged computer software, fulfilling their requirements, so that their valuable data/information can be stored for a longer period with easy accessing and manipulation of the same. The required software and hardware are easily available and easy to work with.

Online Resume Builder, as described above, can lead to error free, secure, reliable and fast management system. It can assist the user to concentrate on their other activities rather to concentrate on the record keeping. Thus it will help organization in better utilization of resources. The organization can maintain computerized records without redundant entries. That means that one need not be distracted by information that is not relevant, while being able to reach the information.

The aim is to automate its existing manual system by the help of computerized equipments and full-fledged computer software, fulfilling their requirements, so that their valuable data/information can be stored for a longer period with easy accessing and manipulation of the same. Basically the project describes how to manage for good performance and better services for the clients.

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# 1. INTRODUCTION

## 1.1 Overview

This project is designed to build a proper resume with the help of computerized equipments and full-fledged computer software so that valuable data can be stored for longer period with easy accessing and manipulation of the same. The 'Online Resume Builder Web Application' has been developed to override the problem prevailing in the manual system. It can lead to error free, secure, reliable and fast management system. No formal knowledge is needed for the user to use this system. Hence, it is user friendly.

## 1.2 Motivation

If someone wants to make his/her resume, then he/she has to look for every single detail such as formatting, alignment, designs, patterns. So, it is a very complex process and thus, the productivity of the resume also decreases. The existing system is very complex and making resume via word files and excels is a tough task. Sometimes, while making a resume, a person ends up forgetting some very crucial information while going through all these designs and formats. Thus, a website like a resume builder helps by building a proper resume itself.

## 1.3 Scope of the work

- It may help in collecting valid data.
- This Web Application will be used by students looking for internships and placements. As having a resume is compulsory, most of the students will find it very useful.
- Students can get their resumes in PDF format.
- Data is completely secured. Users can set a password and access their resumes at any time, anywhere.

## 1.4 Objective

The main objective of this project is to manage the details of resume, job, qualification, skills, etc. It keeps all the information about an individual to build a well structured resume. Reduces the manual work for managing the resume. Editing, adding and updating of records is improved which results in proper resource management of resume data. All the fields such as personal details, qualifications etc are validated and does not take invalid values. The resume can be auto-downloaded in a pdf form on the client side.

## **2.SYSTEM REQUIREMENTS**

### **2.1 Hardware Requirements**

The hardware requirements of the project are as follows:

1. Minimum 4 GB of RAM
2. x86 or AMD64 CPU with at least one core

### **2.2 Software Requirements**

The software requirements of this project are as follows:

1. HTML
2. CSS
3. JavaScript
4. Bootstrap

#### **2.2.1 HTML**

The Hyper Text Markup Language, or HTML is the standard markup language for documents designed to be displayed in a web browser. It can be assisted by technologies such as Cascading Style Sheets (CSS) and scripting languages such as JavaScript.

Web browsers receive HTML documents from a web server or from local storage and render the documents into multimedia web pages. HTML describes the structure of a web page semantically and originally included cues for the appearance of the document. HTML elements are the building blocks of HTML pages. With HTML constructs, images and other objects such as interactive forms may be embedded into the rendered page. HTML provides a means to create structured documents by denoting structural semantics for text.

#### **2.2.2 CSS**

Cascading Style Sheets (CSS) 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.

CSS is designed to enable the separation of presentation and content, including layout, colours, and fonts. This separation can improve content accessibility; provide more flexibility and control in the specification of presentation characteristics; enable multiple

web pages to share formatting by specifying the relevant CSS in a separate .css file, which reduces complexity and repetition in the structural content; and enable the .css file to be cached to improve the page load speed between the pages that share the file and its formatting.

### 2.2.3 JavaScript

JavaScript often abbreviated JS, is a programming language that is one of the core technologies of the World Wide Web, alongside HTML and CSS. Over 97% of websites use JavaScript on the client side for web page behaviour, often incorporating third-party libraries. All major web browsers have a dedicated JavaScript engine to execute the code on users' devices.

JavaScript is a high-level, often just-in-time compiled language that conforms to the ECMAScript standard. It has dynamic typing, prototype-based object-orientation, and first-class functions. It is multi-paradigm, supporting event-driven, functional, and imperative programming styles. It has application programming interfaces (APIs) for working with text, dates, regular expressions, standard data structures, and the Document Object Model (DOM).

### 2.2.4 Bootstrap

Bootstrap is a free and open-source CSS framework directed at responsive, mobile-first front-end web development. It contains CSS and (optionally) JavaScript-based design templates for typography, forms, buttons, navigation, and other interface components. It was developed by Mark Otto and Jacob Thornton at Twitter as a framework to encourage consistency across internal tools.

Bootstrap is an HTML, CSS & JS Library that focuses on simplifying the development of informative web pages (as opposed to web apps). The primary purpose of adding it to a web project is to apply Bootstrap's choices of colour, size, font and layout to that project. As such, the primary factor is whether the developers in charge find those choices to their liking. Once added to a project, Bootstrap provides basic style definitions for all HTML elements. The result is a uniform appearance for prose, tables and form elements across web browsers. In addition, developers can take advantage of CSS classes defined in Bootstrap to further customize the appearance of their contents.

## 3. DESIGN

### 3.1 Frontend

#### 3.1.1 HTML

The layout of the website is as follows:

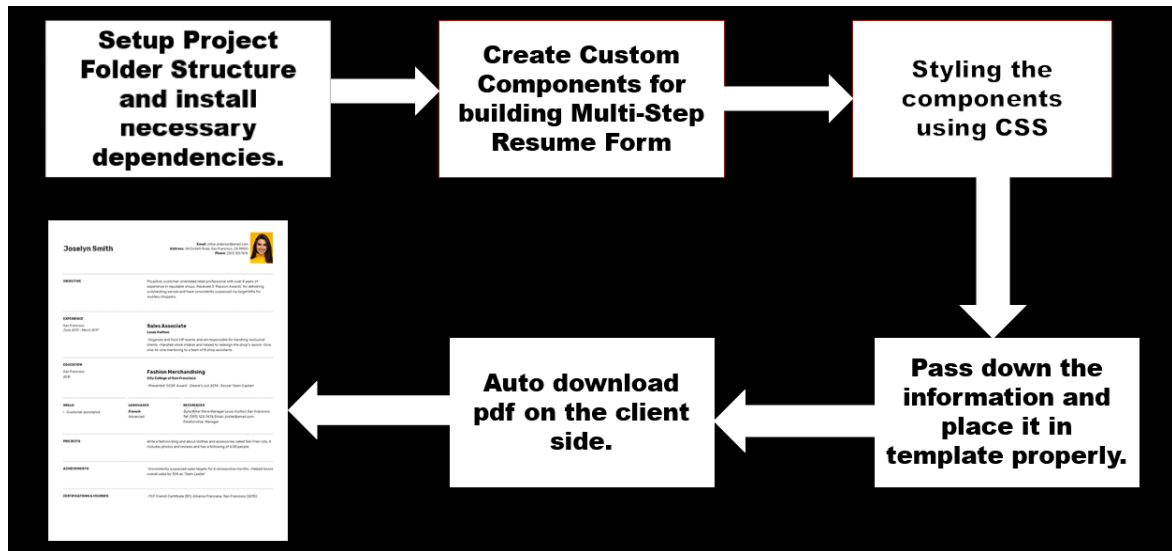


Fig 1. Methodology of building the website

This website contains:

**1. index.html:** This file contains codes for building the multi-step resume form. It contains details about personal, professional, academic and educational details of the user that would be later used in building the structured resume.

#### 3.1.2 CSS

This project contains following CSS files:

1. styletemplate.css
2. style1.css
3. style2.css

Above files have been used to give an extra ordinary styling effects to the resume form as well as the resume.

## 3.2 Backend

### 3.2.1 JavaScript

script.js has been used to execute the codes on users' devices. It contains following js functions:

```
addNewWEField()
```

```
addNewAQField()
```

```
generateResume()
```



## 4. IMPLEMENTATION

```

1  <!DOCTYPE html>
2  <html lang="en">
3
4  <head>
5      <meta charset="UTF-8" />
6      <meta http-equiv="X-UA-Compatible" content="IE=edge" />
7      <meta name="viewport" content="width=device-width, initial-scale=1.0" />
8      <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/bootstrap.min.css" rel="stylesheet"
9          integrity="sha384-1BmE4kWBq78iYhF1dvKuhfTAU6auU8tT94WrHftjDbrCEXSU1oBoqyl2QvZ6jIW3" crossorigin="anonymous" />
10     <style>
11         body {
12             background-color: ■ papayawhip;
13         }
14
15         h1 {
16             text-align: center;
17             font-family: Times New Roman;
18             font-style: bold;
19             font-size: 300%;
20             position: auto;
21             text-decoration: underline;
22         }
23
24         nav {
25             border-radius: 5px;
26             width: 100%;
27             float: center;
28             font-family: Times New Roman;
29         }
30
31         #cv-form {
32             display: none;
33         }
34

```

```

34
35         .myimg {
36             border: 1px solid ■ red;
37             border-radius: 50%;
38             width: 200px;
39         }
40
41         .background {
42             background-color: ■ aqua;
43         }
44     </style>
45     <title>Resume Generator</title>
46 </head>
47
48 <body>
49     <div class="container" id="cv-form">
50     </div>
51     <b>
52         <h1 class="text-center my-2">RESUME FORM </h1>
53     </b>
54     <div class="row">
55         <div class="col-md-6">
56
57             <p>
58                 <b>PERSONAL INFORMATION</b>
59             </p>
60             <div class="form-group">
61                 <label for="nameField">Your Name</label>
62                 <input type="text" id="nameField" placeholder="Enter here" class="form-control" />
63             </div>
64             <div class="form-group mt-2">
65                 <label for="contactField">Your Mobile No.</label>
66                 <input type="text" id="contactField" placeholder="Enter here" class="form-control" />
67             </div>
68             <div class="form-group">
69                 <label for="mailField">Your Email-ID</label>
70                 <input type="text" id="mailField" placeholder="Enter here" class="form-control" />
71             </div>

```

```

71     <div class="form-group mt-2">
72         <label for="addressField">Your Address</label>
73         <textarea id="addressField" placeholder="Enter here" class="form-control" rows="10"></textarea>
74     </div>
75 </div>
76
77 <div class="col-md-6">
78     <b>PROFESSIONAL INFORMATION</b>
79     <div class="form-group mt-2">
80         <label for="objField">Objective</label>
81         <textarea id="objField" rows="5" placeholder="Enter here" class="form-control"></textarea>
82     </div>
83
84
85     <div class="form-group mt-2" id="weField">
86         <label for="">Work Experience</label>
87         <textarea placeholder="Enter here" class="form-control weField" rows="3"></textarea>
88
89         <!-- -->
90
91         <div class="container text-center mt-2" id="weAddButton">
92             <button onclick="addNewWEField()" class="btn btn-primary btn-sm">Add</button>
93         </div>
94     </div>
95
96     <div class="form-group mt-2" id="aqField">
97         <label for="">Academic Qualification</label>
98         <textarea placeholder="Enter here" class="form-control eqField" rows="3"></textarea>
99
100         <!--.....-->
101
102         <div class="container text-center mt-2" id="aqAddButton">
103             <button onclick="addNewAQField()" class="btn btn-primary btn-sm">Add</button>
104         </div>
105     </div>

```

```

112 </div>
113 </div>
114 <div class="container text-center mt-3">
115     <button type="submit" onclick="printCV()" class="btn background">
116         Generate Resume
117     </button>
118 </div>
119 </div>
120
121
122
123 <div class="container" id="cv-template">
124
125     <div class="row">
126         <div class="col-md-4 text-center py-5 background">
127             
129             <div class="container">
130                 <p id="nameT1">Ishita Sharma</p>
131                 <p id="addressT">Sector L-V/L-29, Aliganj, Lucknow</p>
132                 <p id="contactT">+916386818644, +91706848834</p>
133                 <p id="mailT">sharmaishita182002@gmail.com</p>
134                 <hr />
135             </div>
136
137
138
139         </div>
140         <div class="col-md-8 py-5">
141             <h1>
142                 <p id="nameT2">Ishita Sharma</p>
143             </h1>
144             <div class="card mt-4">
145                 <div class="card-header background">
146                     <h3>Objective</h3>

```

```

148     </div>
149     <div class="card-body">
150       <p id="objectiveT">
151         Lorem ipsum dolor, sit amet consectetur adipisicing elit. Nam dicta omnis quam ipsum aperiam
152         illum cupiditate similique animi pariatur sapiente ad maiores minus, quod aut blanditiis,
153         saepe vel? Est eligendi praesentium enim voluptates id. Maxime hic culpa et expedita, fugiat
154         labore delectus ullam accusantium tempora tempore dolores eveniet, velit consectetur.
155       </p>
156     </div>
157   </div>
158 </div>
159
160
161   <div class="card mt-4">
162     <div class="card-header background">
163       <h3>Work Experience</h3>
164     </div>
165     <div class="card-body">
166       <ul id="weT">
167         <li>
168           Internshala Student Partner of Pranveer Singh Institute of Technology, Kanpur.
169         </li>
170         <li>
171           Frontend Developer intern at Digitalitz.com
172         </li>
173         <li>
174           Currently, working on a project based on HTML, CSS and JavaScript.
175         </li>
176       </ul>
177     </div>
178   </div>
179 </div>
180
181   <div class="card mt-4">
182     <div class="card-header background">
183       <h3>Academic Qualification</h3>

```

```

185     </div>
186     <div class="card-body">
187       <ul id="aqT">
188         <li> 2018| High School| ISCE| 93%
189       </li>
190       <li> 2020| Intermediate| ISC| 85%
191     </li>
192       <li> 2024| B.tech(CSE)| SGPA: 9.23 (Pursuing)
193     </li>
194     </ul>
195   </div>
196 </div>
197 <div class="container mt-3 text-center">
198   <button onclick="printCV()" class="btn background">
199     Print CV
200   </button>
201 </div>
202 </div>
203
204
205
206 </div>
207 </div>

```

```

212 <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/js/bootstrap.bundle.min.js"
213 integrity="sha384-ka7Sk0Gln4gmtz2MlQnikT1wXgYsOg+OMhuP+IlRH9sENBO0LRn5q+8nbTov4+1p"
214 crossorigin="anonymous"></script>
215 <script>
216 function addNewWEField() {
217     let newNode = document.createElement("textarea");
218     newNode.classList.add("form-control");
219     newNode.classList.add("weField");
220     newNode.classList.add("mt-2");
221     newNode.setAttribute("rows", 3);
222     newNode.classList.add("placeholder", "Enter-here");
223
224     let weOb = document.getElementById("we");
225     let weAddButtonOb = document.getElementById("weAddButton");
226
227     weOb.insertBefore(newNode, weAddButtonOb);
228 }
229
230 function addNewAQField() {
231     let newNode = document.createElement("textarea");
232     newNode.classList.add("form-control");
233     newNode.classList.add("eqField");
234     newNode.classList.add("mt-2");
235     newNode.setAttribute("rows", 3);
236     newNode.classList.add("placeholder", "Enter-here");
237
238     let aqOb = document.getElementById("aq");
239     let aqAddButtonOb = document.getElementById("aqAddbutton");
240
241     aqOb.insertBefore(newNode, aqAddButtonOb);
242 }

```

```

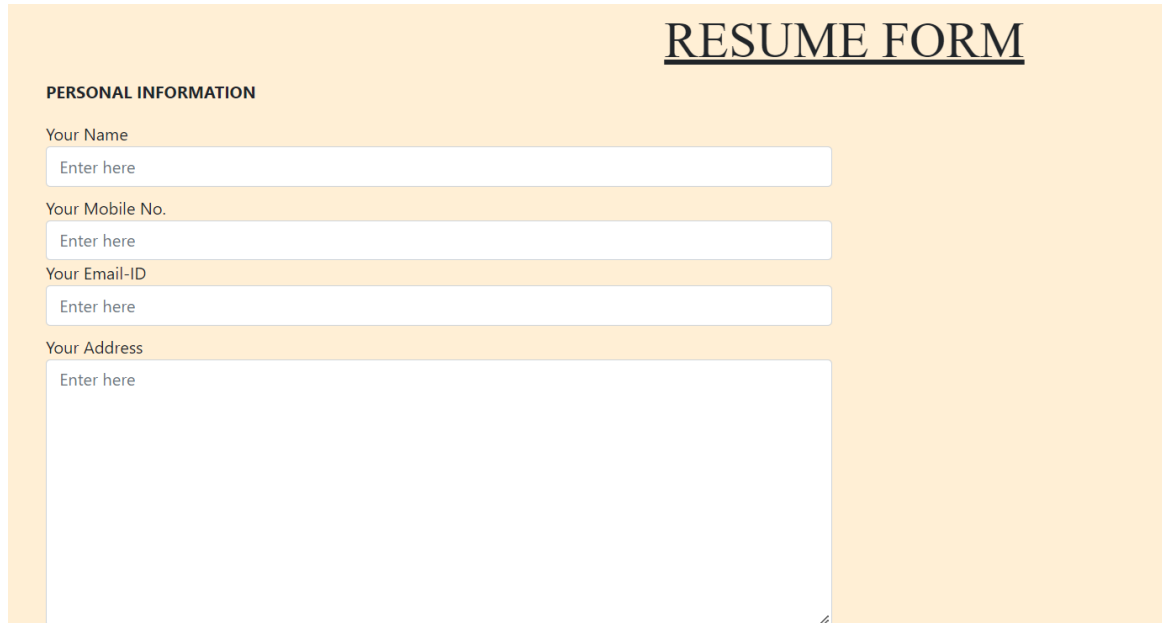
245 function printCV() {
246     console.log("generating CV");
247     let nameField = document.getElementById("nameField").value;
248
249     let nameT1 = document.getElementById("nameT1");
250
251     nameT1.innerHTML = nameField;
252     document.getElementById("nameField").innerHTML = nameField;
253     document.getElementById("addressT").innerHTML = document.getElementById("addressField").value;
254     document.getElementById("contactT").innerHTML = document.getElementById("contactField").value;
255     document.getElementById("mailT").innerHTML = document.getElementById("mailField").value;
256
257     document.getElementById("objectiveT").innerHTML = document.getElementById("objField").value;
258     document.getElementById("nameT2").innerHTML = document.getElementById("nameField").value;
259
260
261     let weField = document.querySelector(".weField")
262     let str = " ";
263     for (let e of weField) {
264         str = str + e.value;
265     }
266     document.getElementById("weT").innerHTML = str;
267
268     let aqField = document.getElementsByClassName("eqField");
269     let str1 = " ";
270     for (let e of aqField) {
271         str1 = str1 + e.value;
272     }
273     document.getElementById("aqT").innerHTML = str1;
274 }
275 </script>
276 </body>
277 </html>

```

## 5. TESTING, RESULT AND ANALYSIS

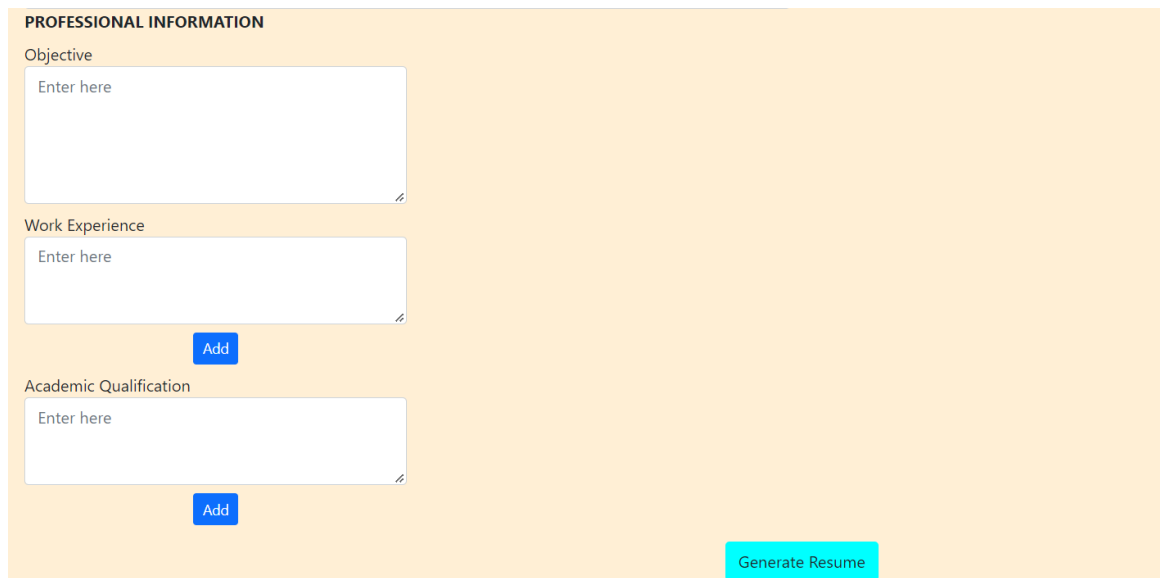
### 5.1 Testing

1. The first page of the website looks like this:



The screenshot displays a web form titled "RESUME FORM" in a large, bold, underlined font. Below the title, the section "PERSONAL INFORMATION" is highlighted. It contains four input fields: "Your Name", "Your Mobile No.", "Your Email-ID", and "Your Address". Each field has a placeholder text "Enter here". The "Your Address" field is a larger text area. The form is set against a light orange background.

Fig 2. A resume form containing personal information of the user.



This screenshot shows the "PROFESSIONAL INFORMATION" section of the resume form. It includes three input fields: "Objective", "Work Experience", and "Academic Qualification", each with a "Enter here" placeholder. Below the "Work Experience" and "Academic Qualification" fields are blue "Add" buttons. At the bottom right of the section is a cyan "Generate Resume" button. The background is light orange.

Fig 3. Professional information with the 'Generate Resume' button.

## 5.2 Result and Analysis

After entering the details in the form, a resume is finally generated that could be auto downloaded on the client side. The resume looks like this:

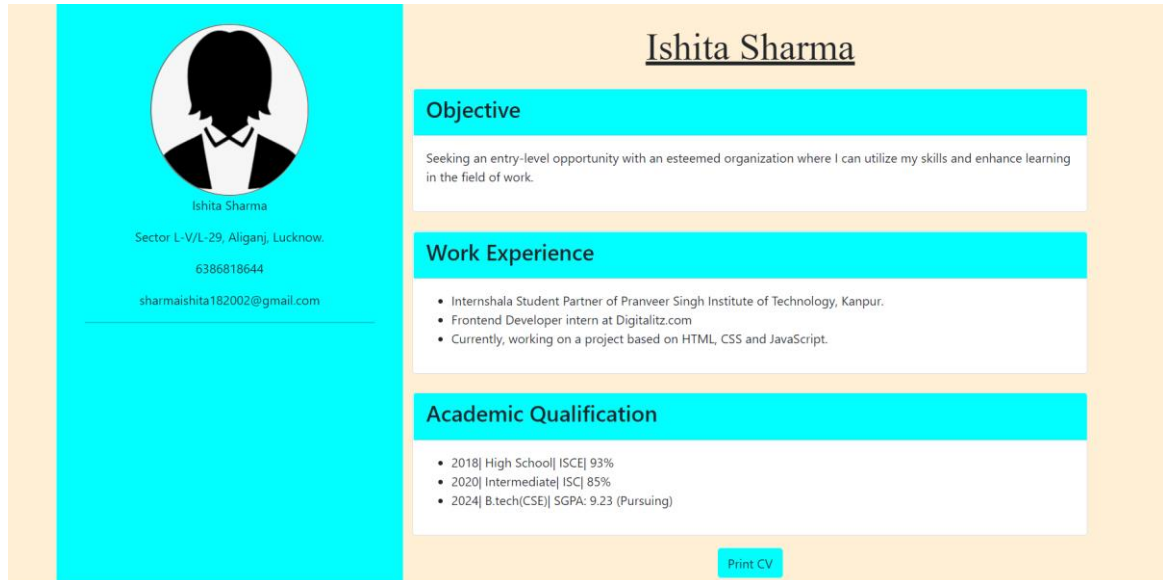


Fig 4. The final resume.

As it can be seen, the above resume has altogether four sections:

- Personal details
- Objective
- Work Experience
- Academic Qualification

## **6. FUTURE ENHANCEMENTS**

In a nutshell, it can be summarized that the future scope of the project is as follows:

- We can add printer in future.
- We can give more advance software for Online Resume Builder including more facilities.
- We will host the platform on online servers to make it accessible worldwide.
- Implement the backup mechanism for taking backup of codebase and database on regular basis on different servers.

The above mentioned points are the enhancements which can be done to increase the applicability and usage of this project.

## 7. CONCLUSION

This project saves a lot of time that will be otherwise invested in building the resume manually, adding and editing details. The online resume builder is one of the most fantastic systems for the people who are either freshers in their domain or if they don't have enough idea about the resume or don't have enough time to create the resume of good designs or patterns, then this platform is a very productive place for them. It saves a lot of time and cost-effective.

This Online resume builder is designed to help the job seekers to create a professional resume for them. The candidates are not required to spend more time designing and creating professional resume. They can enter their details directly into the pop-up box and their resume will be created automatically. A well-structured resume will be generated, once the user submits his/her details and user can download it in any file format, as per his/her requirement.



## 8. REFERENCES

- Coursera: Programming Foundations with JavaScript, HTML and CSS
- <https://www.geeksforgeeks.org>
- [w3schools.com](https://www.w3schools.com)
- [stackoverflow.com](https://stackoverflow.com)