

BTOE361T5P: Front End UI/UX Development

Online Resume Builder

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Abstract Of the Project

The Online Resume Builder is a web-based application designed to simplify the process of creating professional resumes. Built using HTML, CSS, JavaScript, Bootstrap, and jQuery, the tool provides users with an interactive form to input personal details, education, experience, and skills. The system generates a live preview of the resume in real time, ensuring users can instantly visualize their inputs. Additional features like comparison with sample resumes and download/print functionality enhance usability, making the platform an accessible and efficient solution for job seekers across devices

Objectives

- Provide a user-friendly interface for resume creation.
- Enable real-time resume preview for instant visualization.
- Allow users to add multiple entries for education and experience.
- Integrate resume comparison with a sample template.
- Support PDF download/print functionality.
- Ensure responsiveness for desktop, tablet, and mobile devices.

Scope of the Project

- Designed for individuals looking to create professional resumes quickly.
- Includes sections for personal information, education, experience, and skills.
- Focuses on simplicity and accessibility using pure code and open-source tools.
- Optimized for multiple devices and browsers.
- Does not include features like cloud storage, login systems, or advanced formatting options.

Tools & Technologies Used

Tool/Technology	Purpose
HTML5	Markup and content structure
CSS3	Styling and layout management
VS Code	Code editor
Chrome DevTools	Testing and debugging

6. HTML Structure Overview

Head Section: Meta tags, Bootstrap, Google Fonts, and custom CSS.

Body Section:

- Container for overall layout.
- Form Panel for user input (personal info, education, experience, skills).
- Preview Panel for displaying live resume preview.
- Buttons for adding entries, comparing resumes, and downloading/printing.

Scripts: jQuery, Bootstrap JS, and custom JavaScript for dynamic behavior

7. CSS Styling Strategy

- Use Bootstrap grid system for responsive layout.
- Apply Google Fonts (Roboto) for a clean and modern look.
- Box shadows and rounded corners for cards and buttons to enhance UI aesthetics.
- Maintain consistent spacing and typography hierarchy.
- Custom CSS (styles.css) for additional styling beyond Bootstrap defaults.

8. Key Features

Feature	Description
Resume Form	Interactive form to enter personal, educational, and professional details.
Live Preview	Dynamic preview updates instantly as users type.
Add Sections	Users can add multiple education/experience fields
Sample Comparison	Compare created resume with a sample template
Download/Print	Generate a PDF or print the resume with one click.

9. Challenges Faced & Solutions

Challenge	Solution
Handling dynamic sections like multiple education and experience entries	Implemented JavaScript functions to dynamically create and append input fields with add/remove options
Maintaining real-time resume preview without page reload	Used jQuery event listeners to instantly update the preview panel as the user types
Ensuring responsiveness across devices (desktop, tablet, mobile)	Utilized the Bootstrap grid system and custom CSS tweaks for consistent layout and styling

10. Outcome

- Provides an easy-to-use platform for creating professional resumes.
- Allows users to input personal, educational, and work details seamlessly.
- Generates a real-time preview of the resume for instant feedback.
- Enables users to download or print resumes directly in PDF format.
- Ensures responsive design for smooth use on desktop, tablet, and mobile.
- Demonstrates the practical application of HTML, CSS, JavaScript, Bootstrap, and jQuery in a real-world project.
- Offers sample resume comparison, helping users improve the quality of their resumes.

11. Future Enhancements

- Add custom resume templates for varied designs.
- Integrate drag-and-drop section reordering.
- Enable user accounts and cloud saving of resumes.
- Provide AI-powered suggestions for summary and skills.
- Support for multiple export formats (DOCX, TXT, etc.).

12. Sample Code

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8" />
  <title>Online Resume Builder</title>
  <meta name="viewport" content="width=device-width, initial-scale=1" />
  <!-- Bootstrap CSS & Google Fonts -->
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@4.6.2/dist/css/bootstrap.min.css"
rel="stylesheet" />
  <link href="https://fonts.googleapis.com/css?family=Roboto:400,500,700&display=swap"
rel="stylesheet" />
  <link rel="stylesheet" href="css/styles.css" />
</head>
<body>
  <div class="container-fluid py-5">
    <h2 class="text-center mb-4" style="font-family:'Roboto', sans-serif;font-weight:700;
letter-spacing:.03em;">Online Resume Builder</h2>
    <div class="row justify-content-center">
      <!-- Form Panel -->
      <div class="col-lg-5 col-md-12 mb-4">
        <form id="resume-form" class="rounded-lg shadow bg-white p-4"
autocomplete="off">
          <h5 class="mb-2 text-primary">Personal Information</h5>
          <input class="form-control mb-2" id="name" placeholder="Full Name" />
          <input class="form-control mb-2" id="contact" placeholder="Email or Phone" />
          <textarea
            class="form-control mb-3"
            id="summary"
            rows="2"
            placeholder="Professional Summary"
          ></textarea>
```

```

<h5>Education</h5>
<div id="education-section"></div>
<button
  type="button"
  class="btn btn-outline-info btn-sm mb-3 rounded-pill"
  id="add-education"
>
  <span>&#43;</span> Add Education
</button>

<h5>Experience</h5>
<div id="exp-section"></div>
<button
  type="button"
  class="btn btn-outline-info btn-sm mb-3 rounded-pill"
  id="add-exp"
>
  <span>&#43;</span> Add Experience
</button>

<h5>Skills</h5>
<input
  class="form-control mb-2"
  id="skills"
  placeholder="e.g. JavaScript, Python, Teamwork"
/>
</form>
</div>
<!-- Preview Panel -->
<div class="col-lg-7 col-md-12 mb-4">
  <div id="resume-preview" class="resume-box p-4 shadow-lg bg-white rounded-
lg"></div>
  <button
    id="compare-button"
    class="btn btn-info btn-block mt-3 rounded-pill"
    type="button"
  >
    Compare with Sample Resume
  </button>
  <div
    id="comparison-feedback"
    class="mt-3 bg-light p-3 rounded shadow-sm"
  ></div>
  <button
    class="btn btn-success btn-lg rounded-pill mt-3"

```

```

        onclick="window.print()"
    >
    <span class="mr-1">&#11015;</span> Download/Print Resume (PDF)
</button>
</div>
</div>
</div>

<!-- jQuery and Bootstrap JS -->
<script src="https://code.jquery.com/jquery-3.6.4.min.js"></script>
<script
src="https://cdn.jsdelivr.net/npm/bootstrap@4.6.2/dist/js/bootstrap.bundle.min.js"></script>
<script src="js/script.js"></script>
</body>
</html>

```

13. Screenshots of Final Output

Online Resume Builder

Personal Information

Doylin Jovita

doylinjovita4567@gmail.com

A motivated and detail-oriented individual with a strong foundation in programming, data analysis,

Education

Christ University

B.tech in AIL ML

2024-2028

Details, achievements (optional)

Delete

+ Add Education

Experience

Front end Developer

Larsen & Turbo

2025

Job details, impact (optional)

Delete

+ Add Experience

Skills

JavaScript, Python, C, HTML, CSS

Doylin Jovita

doylinjovita4567@gmail.com

A motivated and detail-oriented individual with a strong foundation in programming, data analysis, and AI concepts. Possesses a keen analytical mindset, a passion for continuous learning, and the ability to adapt quickly to new technologies and challenges.

Education

Christ University – 2024-2028

B.tech in AIL ML

Experience

Front end Developer at Larsen & Turbo 2025

Skills

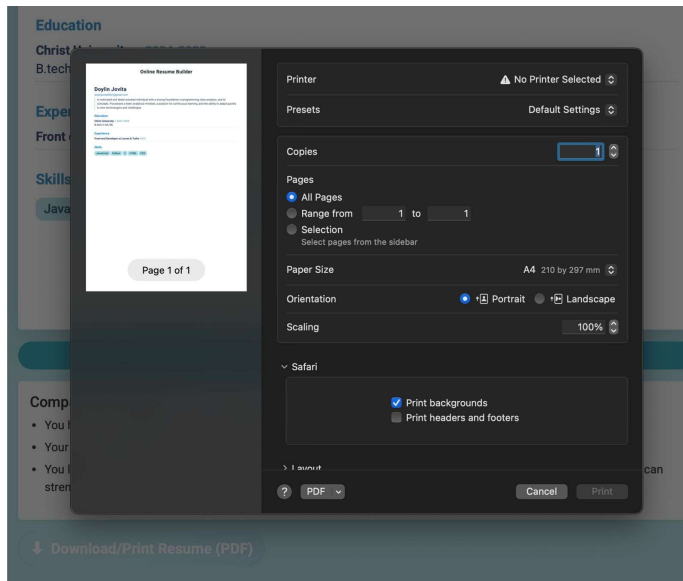
JavaScript Python C HTML CSS

Compare with Sample Resume

Comparison Feedback

- You have 1 education entries. Consider adding more to reach the sample average of 3 entries.
- Your experience entries count is 1. Try adding more roles/projects to match the sample average of 4.
- You listed only 5 skills. Adding more skills like **Project Management, Communication, Teamwork, SQL, Leadership** can strengthen your resume.

Download/Print Resume (PDF)



11. Conclusion

The Online Resume Builder provides a straightforward, efficient, and user-friendly solution for creating professional resumes. Its clean interface, real-time preview, and essential features make it a valuable tool for students, professionals, and job seekers. With future enhancements like customizable templates and AI assistance, the system has potential to evolve into a comprehensive resume-building platform that caters to diverse career needs.

- ## 12. References
- L&T LMS : <https://learn.lntedutech.com/Landing/MyCourse>