

LABORATORY REPORT
Application Development Lab
(CS33002)

B.Tech Program in ECSc

Submitted By

Name:-ANUBRATA MUKHOPADHYAY

Roll No: 2230311



Kalinga Institute of Industrial Technology
(Deemed to be University)
Bhubaneswar, India

Spring 2024-2025

Table of Content

Exp No.	Title	Date of Experiment	Date of Submission	Remarks
1.	Building a resume using HTML and CSS	07/01/2025	14/01/25	
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.	Open Ended 1			
10.	Open Ended 2			

Experiment Number	1
Experiment Title	Building a Resume using HTML/CSS
Date of Experiment	07/01/2024
Date of Submission	13/01/2024

1. Objective:- To design and develop a professional resume using HTML and CSS.

2. Procedure :-

- **Creating the HTML File:** We first created an HTML file named index.html, where we defined the basic structure of the resume. This included setting up the document type, language, and meta tags, followed by creating sections for the header, education, experience, projects, technical skills, and coursework.
- **Structuring the Content:** Within the HTML file, we organized the content into appropriate sections using <div> elements. We added headings (<h1> and <h2>), paragraphs, and lists to present personal information, educational background, work experience, project descriptions, and technical skills clearly and logically.
- **Creating the CSS File:** Next, we created a separate CSS file named styles.css to style the resume. In this file, we defined styles for the body, header, sections, and text elements, using properties such as background-color, font-size, color, and padding to enhance the visual appeal and readability of the resume.
- **Implementing Responsive Design:** To ensure the resume looked good on various devices, we used CSS media queries. This allowed us to adjust the layout and styling for different screen sizes, ensuring that the resume maintained a clean and organized appearance on both desktop and mobile devices.
- **Reviewing and Finalizing:** Finally, reviewed the HTML and CSS code for any errors or inconsistencies. We tested the resume in different browsers to ensure compatibility and made any necessary adjustments before saving the final version, ready for submission or sharing.

3. CODE :-

resume.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width,
    initial-scale=1.0">
  <title>Professional Resume</title>
  <link rel="stylesheet" href="/resume.css">
</head>
<body>
  <div class="resume-container">
    <header>
      
      <div class="header-content">
        <h1>Anubrata Mukhopadhyay</h1>
        <p>Software Engineer</p>
        <div class="contact-info">
          <a href="mailto:anubratamukherjee093@gmail.com">✉
anubratamukherjee093@gmail.com</a>
          <a href="tel:9830238628">☎ (91) 9830238628</a>
          <a
href="www.linkedin.com/in/anubrata-mukhopadhyay">🔗
LinkedIn</a>
          <a href="https://github.com/Anubrata11">🔗 GitHub</a>
        </div>
      </div>
    </header>

    <main>
      <section id="skills">
        <h2>Skills</h2>
        <div class="skills-grid">
          <div class="skill-category">
            <h3>Programming Languages</h3>
            <ul class="skill-list">
              <li>C</li>
              <li>C++</li>
              <li>Python</li>
              <li>Java</li>
```



```

        <section id="education">
            <h2>Education</h2>
            <div class="education-item">
                <h3>B.Tech in Electronics and Computer Science</h3>
                <p class="date-location">Kalinga Institute of Industrial
Technology (CGPA 9.38)</p>
            </div>
        </div>
    </main>
</div>
</body>
</html>

```

resume.css

```

* {
    margin: 0;
    padding: 0;
    box-sizing: border-box;
    font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
}

```

```

body {
    line-height: 1.6;
    color: #333;
    max-width: 1200px;
    margin: 0 auto;
    padding: 20px;
    background-color: #f5f5f5;
}

```

```

.resume-container {
    background: white;
    box-shadow: 0 2px 5px rgba(0,0,0,0.1);
    border-radius: 8px;
    overflow: hidden;
}

```

```

header {
    background: #2c3e50;
    color: white;
}

```

```
padding: 40px;
display: flex;
align-items: center;
gap: 30px;
}

.profile-photo {
width: 150px;
height: 150px;
border-radius: 50%;
object-fit: cover;
border: 4px solid white;
}

.header-content h1 {
font-size: 2.5em;
margin-bottom: 10px;
}

.header-content p {
font-size: 1.1em;
opacity: 0.9;
}

.contact-info {
display: flex;
gap: 20px;
margin-top: 15px;
}

.contact-info a {
color: white;
text-decoration: none;
display: flex;
align-items: center;
gap: 5px;
}

.contact-info a:hover {
text-decoration: underline;
}

main {
```

```
padding: 40px;
}

section {
margin-bottom: 40px;
}

h2 {
color: #2c3e50;
margin-bottom: 20px;
padding-bottom: 10px;
border-bottom: 2px solid #eee;
}

.skills-grid {
display: grid;
grid-template-columns: repeat(auto-fill, minmax(200px, 1fr));
gap: 20px;
}

.skill-category {
background: #f8f9fa;
padding: 15px;
border-radius: 6px;
}

.skill-category h3 {
color: #2c3e50;
margin-bottom: 10px;
}

.skill-list {
list-style: none;
}

.skill-list li {
margin-bottom: 5px;
}

.experience-item, .education-item {
margin-bottom: 30px;
}
```



```
.experience-item h3, .education-item h3 {  
  color: #2c3e50;  
  margin-bottom: 5px;  
}
```

```
.date-location {  
  color: #666;  
  font-style: italic;  
  margin-bottom: 10px;  
}
```

```
.projects-grid {  
  display: grid;  
  grid-template-columns: repeat(auto-fill, minmax(300px, 1fr));  
  gap: 20px;  
}
```

```
.project-card {  
  background: #f8f9fa;  
  padding: 20px;  
  border-radius: 6px;  
}
```

```
.project-card h3 {  
  color: #2c3e50;  
  margin-bottom: 10px;  
}
```

```
.project-card .links {  
  margin-top: 15px;  
}
```

```
.project-card .links a {  
  color: #2c3e50;  
  text-decoration: none;  
  margin-right: 15px;  
}
```

```
.project-card .links a:hover {  
  text-decoration: underline;  
}
```


```
@media (max-width: 768px) {
```

```
header {  
  flex-direction: column;  
  text-align: center;  
  padding: 20px;  
}  
  
.profile-photo {  
  width: 120px;  
  height: 120px;  
}  
  
main {  
  padding: 20px;  
}  
  
.contact-info {  
  flex-direction: column;  
  align-items: center;  
}  
  
.projects-grid {  
  grid-template-columns: 1fr;  
}  
}
```

GITHUB REPOSITORY LINK -

<https://github.com/Anubrata11/Application-Designs-Lab>

RESULTS/OUTPUT :-



Anubrata Mukhopadhyay

Software Engineer

anubratamukherjee093@gmail.com [\(91\) 9830238628](tel:(91)9830238628) [LinkedIn](#) [GitHub](#)

Skills

Programming Languages

- C
- C++
- Python
- Java

Hardware languages

- Verilog
- VHDL
- SystemVerilog

Frontend languages

- HTML and CSS

Projects

Automatic Car Parking System

Built a smart parking system using Arduino Uno board, along with proximity sensors and RFID card

[Live Demo](#) [GitHub](#)

Digital Clock Implementation using FPGA Board

Built a digital clock displaying hours, minutes and seconds on the Nexys 4 DDR board using Verilog

[Live Demo](#) [GitHub](#)

Education

B.Tech in Electronics and Computer Science

Kalinga Institute of Industrial Technology (CGPA 9.38)

REMARKS :-

Signature of the Student

(Name of the Student)

Signature of the Lab Coordinator

(Name of the Coordinator)