

LABORATORY REPORT
Application Development Lab
(CS33002)

B.Tech Program in ECSc

Submitted By

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Spring 2024-2025

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Experiment Number	1
Experiment Title	Building a Resume using HTML & CSS
Date of Experiment	07/02/24
Date of Submission	

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>Diptarka Sarkar - Portfolio</title>
  <link rel="stylesheet" href="styles.css">

</head>
<body>
  <nav>
    <div class="nav-content">
      <h1>Diptarka Sarkar</h1>
      <ul>
        <li><a href="#about">About</a></li>
        <li><a href="#skills">Skills</a></li>
        <li><a href="#projects">Projects</a></li>
        <li><a href="#education">Education</a></li>
      </ul>
    </div>
  </nav>

  <header id="about">
    <div class="container">
      <h1>Full Stack Developer</h1>
      <p>I am a Full Stack development enthusiast, pursuing my B.Tech
in ECSC at KIIT University. I have skills in MERN Stack. I also have
knowledge in Tailwind CSS, Python and MySQL.</p>
      <div class="social-links">
        <a href="https://linkedin.com/in/diptarkasarkar"
target="_blank"><i class="fab fa-linkedin"></i></a>
        <a href="https://github.com/diptarkasarkar" target="_blank"><i
class="fab fa-github"></i></a>
        <a href="mailto:diptarka.sarkar@outlook.in"><i class="fas fa-
envelope"></i></a>
        <a href="tel:6294019617"><i class="fas fa-phone"></i></a>
      </div>
    </div>
  </div>
```

</header>

<section id="skills">

<div class="container">

<h2>Skills</h2>

<div class="skills-grid">

<div class="skill-category">

<h3>Programming Languages</h3>

JavaScript

TypeScript

Python

</div>

<div class="skill-category">

<h3>Frameworks</h3>

ReactJS

NodeJS

NEXTJS

Vite

</div>

<div class="skill-category">

<h3>Tools</h3>

Git

GitHub

MySQL

Tailwind CSS

</div>

</div>

</div>

</section>

<section id="projects">

<div class="container">

<h2>Projects</h2>

<div class="projects-grid">

<div class="project-card">

<h3>Sneaker Selling Website</h3>

<p>A modern landing page for a sneaker selling website. Built with HTML, CSS and JS, enabling brands to showcase their products effectively to consumers.</p>

<div class="tech-stack">
 HTML
 CSS
 JavaScript
</div>

</div>

<div class="project-card">

<h3>Doctor's Appointment Booking</h3>

<p>A comprehensive appointment booking system with Appwrite integration for data management. Collects patient information and manages doctor selections.</p>

<div class="tech-stack">
 NextJS
 ReactJS
 TypeScript
 Tailwind
</div>

</div>

<div class="project-card">

<h3>Campsite Booking Website</h3>

<p>A landing page for a campsite booking application showcasing available locations and facilities with detailed imagery.</p>

<div class="tech-stack">
 NextJS
 ReactJS
 TypeScript
 Tailwind
</div>

</div>

<div class="project-card">

<h3>Python Ping-Pong Game</h3>

<p>An arcade-style ping-pong game built with Python and Pygame, featuring player vs computer gameplay.</p>

```

        <div class="tech-stack">
            <span>Python</span>
            <span>Pygame</span>
        </div>
    </div>
</div>
</div>
</section>

<section id="education">
    <div class="container">
        <h2>Education</h2>
        <div class="education-card">
            <h3>Bachelor of Technology in Electronics and Computer
Science</h3>
            <p class="institution">KIIT University, Bhubaneswar</p>
            <p class="year">2022 - 2026</p>
            <p class="courses">Courses: Operating System, Database
Management, Data Structures</p>
        </div>
        <div class="education-card">
            <h3>Higher Secondary (Class 12)</h3>
            <p class="institution">West Bengal Council of Higher
Secondary Education, Falakata</p>
            <p class="year">2022</p>
        </div>
    </div>
</section>

<footer>
    <div class="container">
        <p>&copy; 2025 Diptarka Sarkar. All rights reserved.</p>
    </div>
</footer>
</body>
</html>

```

Resume.css-

```

* {
    margin: 0;
    padding: 0;
    box-sizing: border-box;

```

```
}
```

```
body {  
  font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;  
  line-height: 1.6;  
  color: #333;  
}
```

```
.container {  
  max-width: 1200px;  
  margin: 0 auto;  
  padding: 0 20px;  
}
```

```
nav {  
  background-color: #2c3e50;  
  padding: 1rem 0;  
  position: fixed;  
  width: 100%;  
  top: 0;  
  z-index: 1000;  
}
```

```
.nav-content {  
  display: flex;  
  justify-content: space-between;  
  align-items: center;  
  max-width: 1200px;  
  margin: 0 auto;  
  padding: 0 20px;  
}
```

```
nav h1 {  
  color: white;  
  font-size: 1.5rem;  
}
```

```
nav ul {  
  display: flex;  
  list-style: none;  
}
```

```
nav ul li a {  
  color: white;
```



```
    text-decoration: none;
    padding: 0.5rem 1rem;
    transition: color 0.3s;
}

nav ul li a:hover {
    color: #3498db;
}

header {
    background: linear-gradient(135deg, #2c3e50 0%, #3498db 100%);
    color: white;
    padding: 8rem 0 4rem 0;
    text-align: center;
}

header h1 {
    font-size: 2.5rem;
    margin-bottom: 1rem;
}

header p {
    max-width: 800px;
    margin: 0 auto 2rem auto;
    font-size: 1.1rem;
}

.social-links {
    display: flex;
    justify-content: center;
    gap: 1.5rem;
}

.social-links a {
    color: white;
    font-size: 1.5rem;
    transition: color 0.3s;
}

.social-links a:hover {
    color: #2ecc71;
}

#skills {
    padding: 4rem 0;
```

```
    background-color: #f9f9f9;
}

.skills-grid {
    display: grid;
    grid-template-columns: repeat(auto-fit, minmax(250px, 1fr));
    gap: 2rem;
    margin-top: 2rem;
}

.skill-category {
    background-color: white;
    padding: 2rem;
    border-radius: 8px;
    box-shadow: 0 2px 4px rgba(0,0,0,0.1);
}

.skill-category h3 {
    color: #2c3e50;
    margin-bottom: 1rem;
}

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

.skill-category ul li {
    padding: 0.5rem 0;
    color: #666;
}

#projects {
    padding: 4rem 0;
}

.projects-grid {
    display: grid;
    grid-template-columns: repeat(auto-fit, minmax(300px, 1fr));
    gap: 2rem;
    margin-top: 2rem;
}

.project-card {
    background-color: white;
```

```
padding: 2rem;
border-radius: 8px;
box-shadow: 0 2px 4px rgba(0,0,0,0.1);
transition: transform 0.3s;
}
```

```
.project-card:hover {
  transform: translateY(-5px);
}
```

```
.project-card h3 {
  color: #2c3e50;
  margin-bottom: 1rem;
}
```

```
.tech-stack {
  margin-top: 1rem;
  display: flex;
  flex-wrap: wrap;
  gap: 0.5rem;
}
```

```
.tech-stack span {
  background-color: #3498db;
  color: white;
  padding: 0.25rem 0.75rem;
  border-radius: 15px;
  font-size: 0.9rem;
}
```

```
#education {
  padding: 4rem 0;
  background-color: #f9f9f9;
}
```

```
.education-card {
  background-color: white;
  padding: 2rem;
  border-radius: 8px;
  box-shadow: 0 2px 4px rgba(0,0,0,0.1);
  margin-bottom: 2rem;
}
```

```
.education-card h3 {
```

```
    color: #2c3e50;
    margin-bottom: 0.5rem;
}

.institution {
    color: #3498db;
    font-weight: 500;
    margin-bottom: 0.5rem;
}

.year {
    color: #666;
    font-size: 0.9rem;
    margin-bottom: 0.5rem;
}
footer {
    background-color: #2c3e50;
    color: white;
    padding: 2rem 0;
    text-align: center;
}
section h2 {
    text-align: center;
    color: #2c3e50;
    margin-bottom: 2rem;
    font-size: 2rem;
}
@media (max-width: 768px) {
    nav .nav-content {
        flex-direction: column;
        text-align: center;
    }

    nav ul {
        margin-top: 1rem;
    }

    header {
        padding: 6rem 0 3rem 0;
    }

    .skills-grid,
    .projects-grid {
```

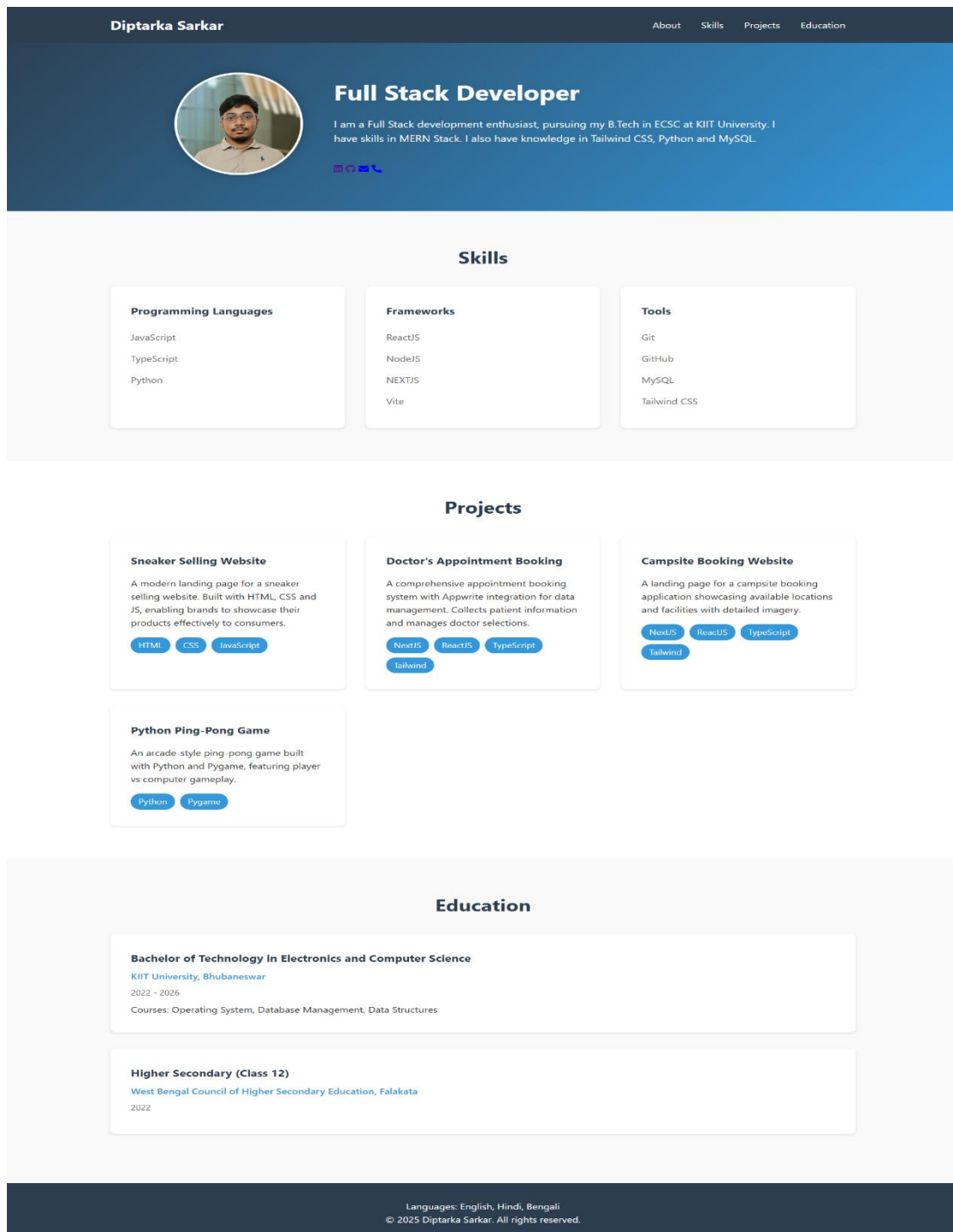
```

    grid-template-columns: 1fr;
  }
}

```

GitHub Repo ink: [AD-LAB-Files/Experiment-1 at main · diptarkasarkar/AD-LAB-Files](https://github.com/diptarkasarkar/AD-LAB-Files)

4. Output:-



5. Remarks:-

Diptarka Sarkar

(Name of the Student)

Signature of the Lab Coordinator

(Name of the Coordinator)