LABORATORY REPORT

Application Development Lab
(CS33002)

B.Tech Program in ECSc

Submitted By

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(Deemed to be University)
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Experiment Number	1
Experiment Title	Build a Resume using HTML/CSS
Date of Experiment	07/01/2025
Date of Submission	12/01/2025

1. Objective:-

To design and develop a professional resume using HTML and CSS.

2. Procedure:-

1. Open a new project folder and create an index.html file for the structure of your resume.
2. Write HTML code for sections: Header (Name, Photo, Contact), Skills, Projects, Work Experience, and Education..
3. Add hyperlinks to LinkedIn, GitHub, and other online portfolios.
4. Use CSS to apply design elements for proper alignment, spacing, and colors.
5. Make the layout responsive using Flexbox or Grid.
6. Integrate images and video links as required.
7. Test the design across devices.

3. Code:-

HTML code (index.html) :

```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="styles.css">
                                            <link href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.0.0-beta3/css/all.min.css" rel="stylesheet">
</head>
```

```html
<body>
    <div class="resume">
        <header>
            <div class="header-content">
                <img src="profile.jpg" alt="Profile Photo"
class="profile-photo">
                <h1>Lambodar Sarangi</h1>
                    <p><i class="fas fa-phone"></i>
+91-7609029642 | <i class="fas fa-envelope"></i> <a
href="mailto:sarangilambodar@gmail.com">sarangilambodar@gmai
l.com</a></p>
                    <p><i class="fas fa-map-marker-alt"></i>
Balasore - 756045, Odisha</p>
                <div class="links">
                                                    <a
href="https://www.linkedin.com/in/lambodar-sarangi-893914251
/">
                        <i class="fab fa-linkedin"></i>
LinkedIn
                </a>
                                                    <a
href="https://github.com/LambodarSarangi-089">
                    <i class="fab fa-github"></i> GitHub
                </a>
            </div>
        </div>
    </header>

    <section class="skills">
        <h2>Skills</h2>
        <ul>
            <li>C</li>
            <li>Python</li>
            <li>Java</li>
            <li>HTML & CSS</li>
            <li>SQL</li>
        </ul>
    </section>

    <section class="projects">
        <h2>Projects</h2>
```

```html
            <div class="project">
                            <h3>IoT-based Manhole Detection
<i>(Ongoing)</i> </h3>
                    <p>A project focused on detecting open
manholes using IoT technology to enhance safety and reduce
accidents.</p>
            </div>
            <div class="project">
                <h3>Resume Website</h3>
                    <p>An online resume showcasing my skills,
education, and projects in an interactive and professional
manner.                                                    <a
href="https://github.com/LambodarSarangi-089/Resume-using-HT
ML-CSS">View Project</a></p>
            </div>

        </section>

        <section class="work-experience">
            <h2>Work Experience</h2>
            <div class="job">
                <p><b>No work experience till yet.</b></p>
            </div>
        </section>

        <section class="education">
            <h2>Education</h2>
            <ul>
                    <li><b>B.Tech in Electronics & Computer
Science Engineering </b><br> KIIT University, Bhubaneswar,
Odisha | <i>2026</i></li>
                    <li><b>Class XII (CHSE)</b><br>Vijayanjali
Higher Secondary School, Balasore, Odisha | <i>2022</i></li>
                    <li><b>Class X (BSE)</b> <br> Center of Sri
Aurobindo Integral Education, Raghunathpur, Balasore, Odisha
| <i>2020</i></li>
            </ul>
        </section>
    </div>
</body>
</html>
```

```css
body {
    font-family: 'Poppins', sans-serif;
    margin: 0;
    padding: 0;
    line-height: 1.6;
    background: linear-gradient(120deg, #f6d365, #e5a998);
    color: #333;
}


.resume {
    max-width: 900px;
    margin: 40px auto;
    background: #fff;
    padding: 30px;
    border-radius: 15px;
    box-shadow: 0 10px 25px rgba(0, 0, 0, 0.2);
    overflow: hidden;
    transition: all 0.3s ease;
}

.resume:hover {
    transform: translateY(-5px);
}


header {
    text-align: center;
    background: linear-gradient(135deg, #0073e6, #003d99);
    color: #fff;
    padding: 20px 0;
    border-radius: 15px 15px 0 0;
    margin-bottom: 20px;
    box-shadow: 0 5px 15px rgba(0, 0, 0, 0.2);
}


.profile-photo {
```

```css
    width: 120px;
    height: 120px;
    border-radius: 50%;
    border: 5px solid #fff;
    margin-bottom: 10px;
    object-fit: cover;
}

header h1 {
    font-size: 2.5rem;
    margin: 10px 0;
}

header p {
    font-size: 1rem;
    margin: 5px 0;
}

header a {
    color: #fff;
    text-decoration: none;
}

.links {
    margin-top: 10px;
}

.links a {
    text-decoration: none;
    color: #fff;
    font-weight: bold;
    margin: 0 10px;
    padding: 5px 10px;
    border: 2px solid white;
    border-radius: 5px;
    transition: 0.3s;
}

.links a:hover {
    background: white;
    color: #344557;
```

```css
}

section {
    margin-bottom: 30px;
    padding: 15px;
    border: 2px solid #ddd;
    border-radius: 10px;
    background: #f9f9f9;
    box-shadow: 0 5px 10px rgba(0, 0, 0, 0.1);
    transition: transform 0.2s;
}

section:hover {
    transform: scale(1.02);
}

h2 {
    font-size: 1.8rem;
    margin-bottom: 10px;
    color: #003d99;
    position: relative;
}

h2::after {
    content: '';
    display: block;
    width: 100px;
    height: 3px;
    background: #0073e6;
    margin-top: 5px;
}


.skills ul {
    list-style: none;
    padding: 0;
    display: flex;
    flex-wrap: wrap;
    gap: 10px;
}
```

```css
.skills li {
    background: #0073e6;
    color: #fff;
    margin: 5px;
    padding: 10px 15px;
    border-radius: 20px;
    font-size: 1rem;
    transition: transform 0.3s, box-shadow 0.3s;
}

.skills li:hover {
    background: #003d99;
    transform: scale(1.1);
    box-shadow: 0 5px 10px rgba(0, 0, 0, 0.2);
}


.projects .project {
    background: #fff;
    border: 1px solid #ddd;
    border-radius: 10px;
    padding: 15px;
    margin-bottom: 15px;
    box-shadow: 0 5px 10px rgba(0, 0, 0, 0.1);
    transition: transform 0.3s, box-shadow 0.3s;
}

.projects .project:hover {
    box-shadow: 0 8px 20px rgba(0, 0, 0, 0.2);
    transform: scale(1.02);
}

.projects a {
    color: #0073e6;
    text-decoration: underline;
    font-weight: bold;
}

.projects a:hover {
    color: #003d99;
```

```css
}


.work-experience .job {
    margin-bottom: 20px;
    padding: 10px;
    border: 1px solid #ddd;
    background: #fff;
    border-radius: 8px;
    box-shadow: 0 4px 8px rgba(0, 0, 0, 0.1);
}

.work-experience .job:hover {
    background: #fff;
    color: #333;
    transform: none;
    box-shadow: 0 4px 8px rgba(0, 0, 0, 0.1);
}

.work-experience .job h3 {
    font-size: 1.2rem;
    margin-bottom: 5px;
    color: #0073e6;
}

.work-experience .job p {
    font-size: 0.9rem;
    color: #666;
}

.work-experience .job ul {
    margin: 10px 0 0 20px;
    list-style: disc;
    color: #333;
}


.education ul {
    list-style: none;
    padding: 0;
}
```

```css
.education li {
    background: #fff;
    margin-bottom: 10px;
    padding: 15px;
    border-radius: 8px;
    border: 1px solid #ddd;
    transition: transform 0.2s, box-shadow 0.2s;
}

.education li:hover {
    box-shadow: 0 5px 15px rgba(0, 0, 0, 0.2);
    transform: scale(1.03);
}


@media (max-width: 768px) {
    body {
        padding: 10px;
    }

    .resume {
        padding: 20px;
    }

    header h1 {
        font-size: 2rem;
    }

    h2 {
        font-size: 1.5rem;
    }

    .skills ul {
        gap: 5px;
    }
}
```
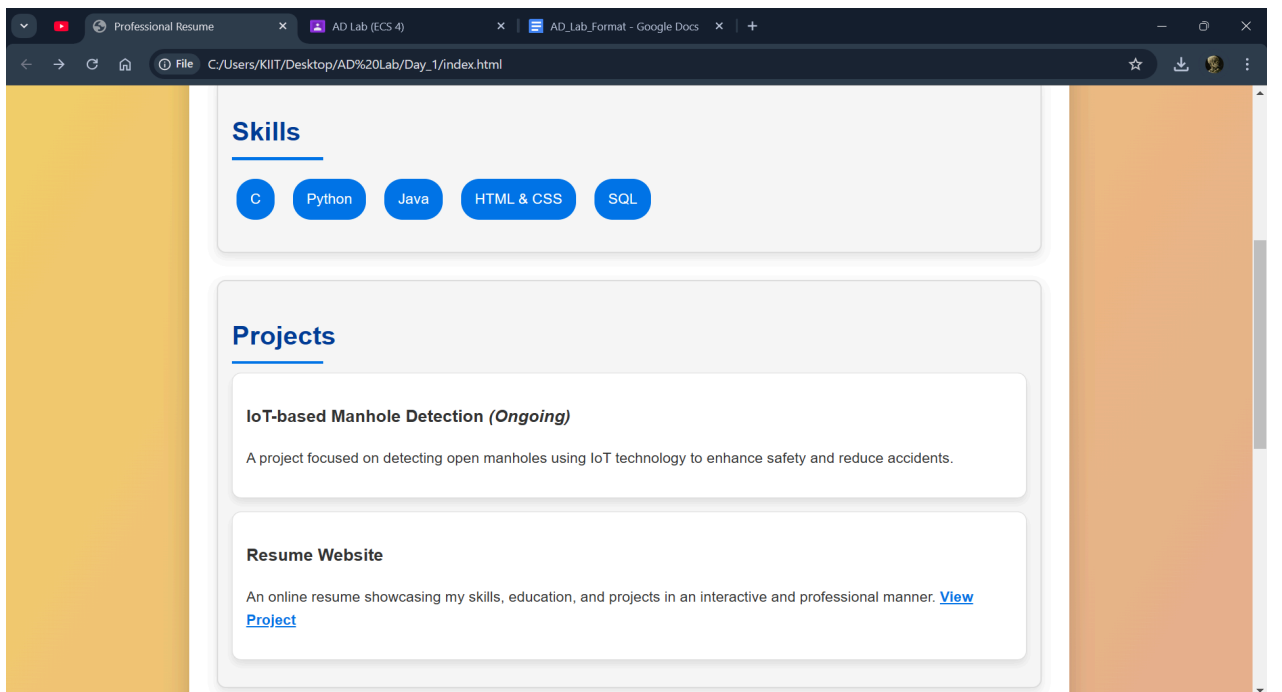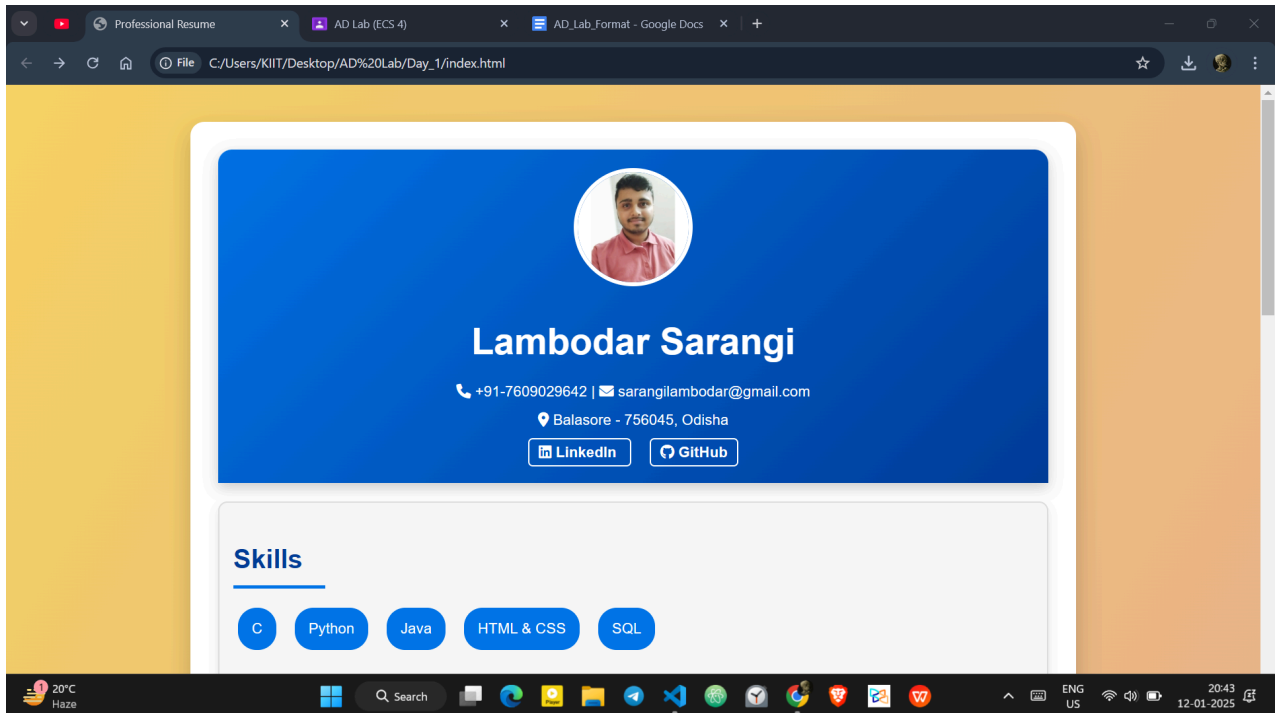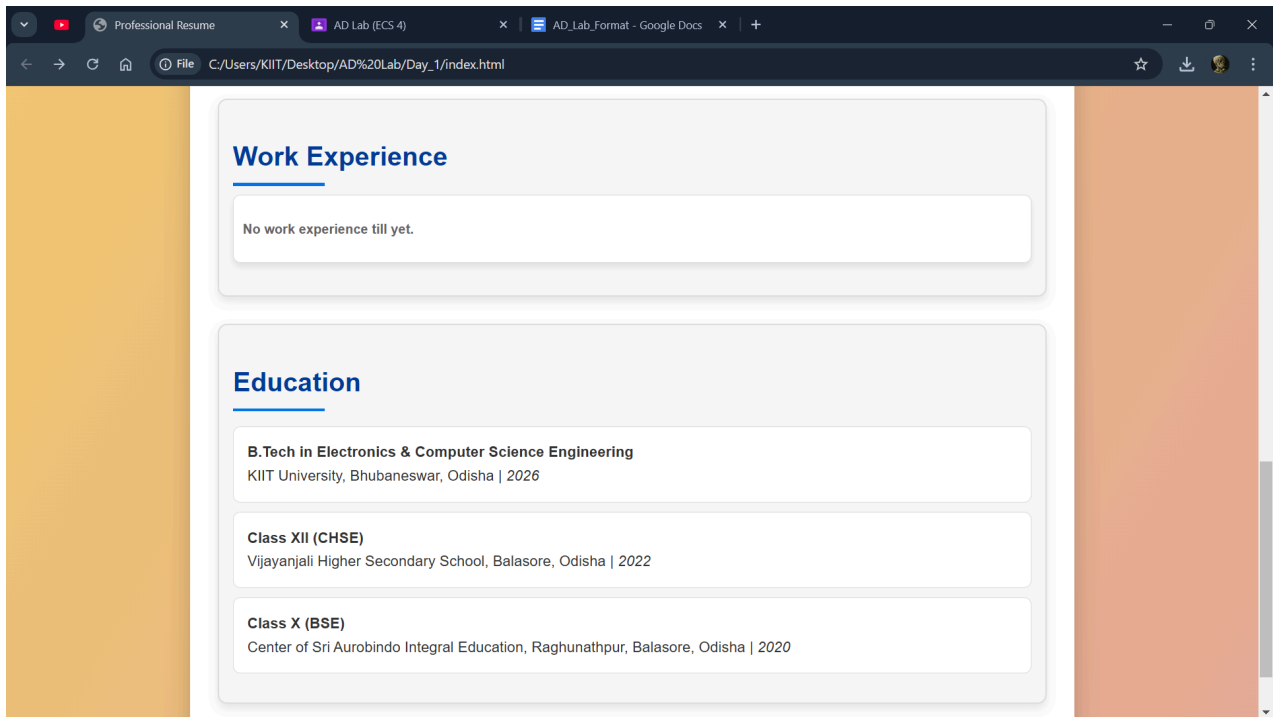
4.   Results/Output:-

5. Remarks:-

This experiment involved creating a professional resume using HTML and CSS, focusing on structure, design, and responsiveness. Key skills like organizing content into sections, applying Flexbox/Grid for responsiveness, and integrating multimedia were reinforced. The final design was tested across multiple devices, ensuring functionality and demonstrating practical front-end web development skills.

Signature of the Student   Signature of the Lab Coordinator

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Lambodar Sarangi   (Name of the Coordinator)