LABORATORY  REPORT
# Application Development Lab (CS33002)

**B.Tech Program in ECSc**

Submitted By

**Name:-**Ayush Kumar

**Roll No:** 2230336



# 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. | Build a Resume using HTML/CSS | 09/01/25 | 13/01/25 | |
| 2. | Machine Learning and Deep Learning for Cat and Dog Classification | | | |
| 3. | Regression Analysis for Stock Prediction | | | |
| 4. | Conversational Chatbot with PDF Reader | | | |
| 5. | Web Scraper using LLMs | | | |
| 6. | User Authentication and Document Management System | | | |
| 7. | Natural Language Database Interaction with LLMs | | | |
| 8. | Sentiment Prediction API Using FastAPI and X (formerly Twitter)Tweets | | | |
| 9. | Open Ended 1 | | | |
| 10. | Open Ended 2 | | | |

| Experiment Number | 1 |
|---|---|
| Experiment Title | Build a Resume using HTML/CSS |
| Date of Experiment | 09/01/25 |
| Date of Submission | 13/01/25 |

## 1.  Objective:-

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

## 2.  Procedure:- (Steps Followed)

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 :**

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
        <meta   name="viewport"   content="width=device-width,
initial-scale=1.0">
    <title>Portfolio Website</title>
    <link rel="stylesheet" href="style.css">
                                <link          rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.7.2/c
ss/all.min.css">
</head>
<body>
```

```html
<header class="header">
    <a href="#" class="logo"><span>Ayush Kumar</span></a>
    <ul class="nav-links">
        <li>
            <a href="#about">About</a>
        </li>
        <li>
            <a href="#experience">Experience</a>
        </li>
        <li>
            <a href="#projects">Projects</a>
        </li>
        <li>
            <a href="#contact">Contacts</a>
        </li>

    </ul>

    <i class="fa-solid fa-bars" id="menu-icon"></i>

    <button class="visit-btn">Visit Github</button>
</header>

<section id="about" class="about">
    <div class="about-container">
        <img src="image.jpg" alt="">

        <div class="info-box">

            <div class="text">
                <h3>Hi, I'm</h3>
                <h1>Ayush Kumar</h1>
                <span>Student</span>
            </div>

            <div class="btn-group">
                <div class="btn"> Download CV</div>
                <div class="btn"> Contact</div>
            </div>

            <div class="socials">
                <i class="fa-brands fa-github"></i>
                <i class="fa-brands fa-linkedin"></i>
```

```html
                    </div>

                </div>
            </div>
        </section>

        <section id="experience" class="experience">

            <h2 class="section-title">Experience</h2>

            <div class="experience-info">
                <div class="grid">
                    <div class="grid-card">
                        <i class="fa-solid fa-code"></i>
                        <span>Student</span>
                        <h3>2 Years</h3>
                        <p>I'm a student passionate about electronics
and learning Python basics. I love exploring how programming can
enhance my understanding of hardware. This journey excites me
with endless opportunities to innovate and create.</p>
                    </div>

                    <div class="grid-card">
                        <i class="fa-solid fa-file-code"></i>
                        <span>Frontend Development</span>
                        <h3>2 Years</h3>
                        <p>I'm a beginner frontend developer eager to
learn and create engaging web interfaces. I'm exploring HTML,
CSS, and JavaScript to build interactive and user-friendly
websites.</p>
                    </div>

                    <div class="grid-card">
                        <i class="fa-solid fa-laptop"></i>
                        <span>System Design</span>
                        <h3>1 Years</h3>
                        <p>I'm a beginner in system design, excited
to learn how to architect scalable and efficient systems. I'm
exploring concepts like databases, APIs, and distributed systems
to design robust solutions</p>
                    </div>

                    <div class="grid-card">
```

```html
                    <i class="fa-solid fa-list"></i>
                    <span>Content Management</span>
                    <h3>1 Years</h3>
                    <p>I'm a beginner content manager, eager to
learn how to create and organize impactful digital content. I'm
exploring strategies for content planning, SEO, and audience
engagement to deliver value-driven materials.</p>
                </div>
            </div>


            <img src="image2.jpg" alt="">
        </div>
    </section>

    <section id="projects" class="projects">

        <h2 class="section-title">Recent Projects</h2>

        <div class="project-card">
            <img src="[Project img]" alt="">
            <h3>Project X</h3>
            <p>Project description</p>
            <div class="btn-group">
                <div class="btn">Live Demo</div>
                <div class="btn">Github Repo</div>
            </div>
        </div>
        <div class="project-card">
            <img src="[Project img 2]" alt="">
            <h3>Project Y</h3>
            <p>Project description</p>
            <div class="btn-group">
                <div class="btn">Live Demo</div>
                <div class="btn">Github Repo</div>
            </div>
        </div>
    </section>

    <section class="contact" id="contact">
        <div class="input-box">

            <h2 class="section-title">Contact Me</h2>
```

```html
            <div class="input">
                                  <input    type="text"
placeholder="ayushkmarch30@gmail.com">
                <i class="fa-solid fa-envelope"></i>
            </div>


            <div class="btn">Submit</div>
        </div>
    </section>


    <footer>


        <ul>
            <li>
                <a href="#about">About</a>
            </li>
            <li>
                <a href="#experience">Experience</a>
            </li>
            <li>
                <a href="#projects">Projects</a>
            </li>
            <li>
                <a href="#contact">Contact</a>
            </li>
        </ul>


            <p  class="copyright">©All  Rights  Reserved  |  Ayush
Kumar</p>
    </footer>



    <script src="script.js"></script>
</body>
</html>
```

**CSS :**

```css
*{
    margin: 0;
    padding: 0;
    box-sizing: border-box;
    font-family: 'Poppins';
```

```css
        text-decoration: none;
        scroll-behavior: smooth;
}
header{
        position: fixed;
        top: 1rem;
        left: 50%;
        transform: translateX(-50%);
        display: flex;
        align-items: center;
        justify-content: center;
        gap: 5rem;
        background-color: rgba(0, 0, 0, 0.8);
        backdrop-filter: blur(8px);
        color: white;
        padding: 0.5rem 1.5rem;
        border-radius: 3rem;
        z-index: 1000;
}
.logo{
        color: white;
        font-size: 1.3rem;
        font-weight: 600;
        text-wrap: nowrap;
        transition: 0.3s ease-in-out;
}
.logo:hover{
        transform: scale(1.1);
}
.nav-links{
        display: flex;
        gap: 2rem;
}
li a{
        position: relative;
        color: white;
        font-weight: 300;
}
li a::before{
        position: absolute;
        content: '';
        width: 0;
        left: 0;
```

```css
        height: 5px;
        top: 25px;
        border-radius: 1rem;
        transition: 0.3s ease-in-out;
        background: linear-gradient(c);
}
li a:hover::before{
        width: 100%;
}
.visit-btn{
        padding: 0.8rem 1.5rem;
        border-radius: 3rem;
        border: none;
        font-weight: 500;
        font-size: 1rem;
        color: white;
        cursor: pointer;
        text-wrap: nowrap;
        transition: 0.3s ease-in-out;
            background: linear-gradient(to right, rgb(0,157,255),
rgb(255,0,255));
}
.visit-btn:hover{
            background: linear-gradient(to right, rgb(0,157,255),
rgb(255,0,255));
        transform: scale(1.03);
}
menu-icon{
        font-size: 2rem;
        display: none;
}
section{
        min-height: 100vh;
        padding: 8rem 12%;
        width: 100%;
        position: relative;
}
.about{
        display: flex;
        align-items: center;
        justify-content: center;
}
.about .about-container{
```

```css
    display: flex;
    align-items: center;
    justify-content: center;
    gap: 10rem;
}
.about img{
    width: 30vw;
    border-radius: 50%;
}
.info-box{
    display: flex;
    flex-direction: column;
    text-align: center;
    align-items: center;
    justify-content: center;
    gap: 1.5rem;
}
.info-box h3{
    font-size: 1.8rem;
    font-weight: 500;
    opacity: 0.8;
}
.info-box h1{
    font-size: 4rem;
    font-weight: 600;
}
.info-box span{
        background: linear-gradient(to right, rgb(0,157,255),
rgb(255,0,255));
    background-clip: text;
    color: transparent;
    font-size: 2rem;
}
.btn{
    border-radius: 3rem;
    padding: 0.5rem 1.5rem;
    border: 2px solid black;
    cursor: pointer;
    font-size: 500;
    text-wrap: nowrap;
    transition: 0.2s ease-in-out;
}
.btn:hover{
```

```css
        background-color: black;
        color: white;
}
.socials i{
        font-size: 2.5rem;
        cursor: pointer;
        transition: 0.2s ease-in-out;
}
.socials i:hover{
        transform: scale(1.1);
}

.section-title{
        text-align: center;
        font-size: 4rem;
        font-weight: 600;
        margin-bottom: 3rem;
}
.experience-info{
        display: flex;
        align-items: center;
        justify-content: center;
        gap: 5rem;
}
.experience img{
        width: 24vw;
        border-radius: 3rem;
}
.grid{
        display: grid;
        grid-template-columns: repeat(2,1fr);
        gap: 2rem;
}
.grid-card{
        border: 2px solid black;
        border-radius: 3rem;
        padding: 3rem;
        display: flex;
        flex-direction: column;
        align-items: baseline;
        justify-content: left;
        cursor: pointer;
        transition: 0.2s ease-in-out;
```

```css
}
.grid-card:hover{
    transform: scale(1.02);
    background-color: black;
    color: white;
}
.grid-card{
    font-size: 1.5rem;
    margin-bottom: 1rem;
}
.grid-card span{
    font-size: 1.5rem;
    font-weight: 500;
    background: linear-gradient(to right, #009dff, #ff00ff);
    background-clip: text;
    color: transparent
}
::-webkit-scrollbar{
    width: 20px;
}
::-webkit-scrollbar-track{
    background-color: rgb(219,219,219);
}
::-webkit-scrollbar-thumb{
    background: linear-gradient(to right, #009dff, #ff00ff);
}
.project-card{
    padding: 3rem 2rem;
    display: flex;
    flex-direction: column;
    align-items: center;
    justify-content: center;
    text-align: center;
    gap: 1.5rem;
    border: 2px solid black;
    border-radius: 3rem;
    cursor: pointer;
    transition: 0.3s ease-in-out;
}
.project-card:hover{
    background-color: black;
    color: white;
    transform: translateY(-10px)scale(1.02);
```

```css
}
.project-card img{
    width: 20vm;
    border-radius: 1rem;
}
.project-card:hover .btn{
    border: 2px solid white;
    color: white;
}
.project-card:hover .btn:hover{
    border: 2px solid white;
    background-color: white;
    color: black;
}
.project-card h3{
    font-size: 2rem;
    font-weight: 500;
}

.input-box{
    display: flex;
    flex-direction: column;
    align-items: center;
    justify-content: center;
    text-align: center;
    gap: 2rem;
    margin-top: 5rem;
}
.input-box input{
    border-radius: 3rem;
    border: 2px solid black;
    padding: 2rem 8rem;
    font-size: 3rem;
}
.input-box input::placeholder{
    font-size: 3rem;
}
.input{
    position: relative;
}
.input i{
    position: absolute;
    font-size: 4rem;
```

```css
        top: 50%;
        left: 10px;
        transform: translate(50%, -50%);
}

footer{
        bottom: 0;
        left: 0;
        height: 10rem;
        width: 100%;
        display: flex;
        flex-direction: column;
        gap: 1rem;
        align-items: center;
        justify-content: center;
}
footer ul{
        display: flex;
        align-items: center;
        gap: 3rem;
}
footer ul li a{
        color: black;
        font-weight: 600;
}
.copyright{
        font-size: 300;
        margin-top: 2rem;
}

@media(max-width:1280px){
        header{
                padding: 1rem 2rem;
                gap: 2rem;
        }
        .about .about-container{
                gap: 3rem;
        }
        .experience-info{
                flex-direction: column;
        }
        .input-box input{
                padding: 2rem 5rem;
```

```css
            font-size: 2.5rem;
        }
        .input input::placeholder{
            font-size: 2.5rem;
        }
        .input-box i{
            font-size: 2.5rem;
        }
}
@media(max-width:768px){
        header{
            gap: 1rem;
            padding: 1rem 1rem;
        }
        header .logo{
            font-size: 1rem;
        }
        header .visit-btn{
            display: none;
        }
        .about-container{
            flex-direction: column;
        }
        .input-box input{
            padding: 1rem 2rem;
            font-size: 1.8rem;
        }
        .input-box input::placeholder{
            font-size: 1.5rem;
        }
        .input-box i{
            display: none;
        }
        .grid{
            grid-template-columns: repeat(1,1fr);
        }
        .experience-info img{
            width: 70vw;
        }
}
@media(max-width:600px){
        header #menu-icon{
            display: block;
```

```css
    }
    .nav-links{
        position: absolute;
        top: 100%;
        margin-top: 1rem;
        width: 100%;
        padding: 1rem;
        color: white;
        display: flex;
        flex-direction: column;
        text-align: center;
        background: rgba(0, 0, 0, 0.9);
        border-radius: 3rem;
        display: none;
    }
    .nav-links li{
        margin-top: 1.5rem;
        padding: 1rem;
    }
    .nav-links.active{
        display: block;
    }
    header{
        padding: 1rem 5rem;
        gap: 8rem;
    }
    header .logo{
        font-size: 1.5rem;;
    }
    .about-container img{
        width: 80vw;
    }
    .input-box input{
        padding: 0.5rem 3rem;
        width: 80%;
        font-size: 1.5rem;
    }
    .input-box input::placeholder{
        font-size: 1.5rem;
    }
    footer ul{
        gap: 1rem;
    }
```
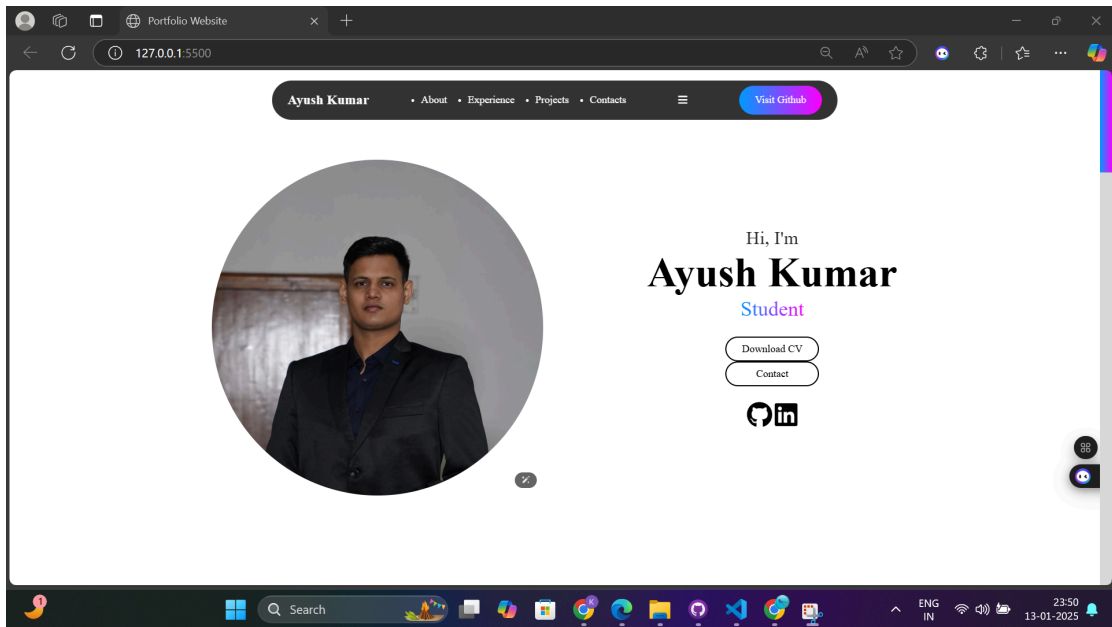
```
}
```

## 4.     Results/Output:-



## 5.     Remarks:-

Signature of the Student                                    Signature of the Lab Coordinator
____Ayush kumar_____                    _____
(Name of the Student)                                      (Name of the Coordinator)