

Aim:

The aim of this project is to develop a personal portfolio website that effectively showcases skills, experience, and achievements. The website provides an interactive and visually appealing interface for potential employers, clients, and collaborators to explore key competencies, projects, and certifications while ensuring ease of navigation and responsiveness.

Methodology:

1. **Requirement Analysis:** Identified key features such as personal details, skills, projects, and contact information.
2. **Design Planning:** Created a wireframe for a structured layout, including a sidebar, content area, and a contact section.
3. **Frontend Development:** Implemented the design using HTML and CSS for structure and styling.
4. **Navigation System:** Developed a sidebar for easy access to different sections, ensuring smooth user experience.
5. **Content Integration:** Added relevant information including professional experience, education, and key competencies.
6. **Responsive Design:** Ensured the website adapts to different screen sizes for accessibility across devices.
7. **External Links & Contact Details:** Incorporated social media links and an email address for communication.
8. **Testing & Optimization:** Tested across browsers for compatibility and optimized performance for fast loading times.

HTML Code with internal CSS

-Homepage-

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Vasee's Portfolio</title>
    <style>
        body {
            font-family: Arial, sans-serif;
            margin: 0;
            padding: 0;
            display: flex;
            background-color: #f8f9fa;
            color: #333;
        }
        .sidebar {
            width: 200px;
            background: #3c3c3c;
            color: white;
            height: 100vh;
            position: fixed;
            padding-top: 20px;
        }
        .sidebar a {
```

```
        display: block;  
        color: white;  
        text-decoration: none;  
        padding: 15px;  
        font-size: 18px;  
        text-align: center;  
    }  
  
.sidebar a:hover {  
    background: #555;  
}  
  
.content-wrapper {  
    margin-left: 200px;  
    display: flex;  
    flex-direction: column;  
    align-items: center;  
    width: calc(100% - 200px);  
}  
  
.header {  
    text-align: center;  
    padding: 20px;  
    font-size: 32px;  
    font-weight: bold;  
    background: #3c3c3c;  
    color: white;  
    width: 100%;  
}  
  
.content {
```

```
max-width: 800px;  
background: white;  
padding: 40px;  
margin-top: 40px;  
border-radius: 8px;  
box-shadow: 0 5px 15px rgba(0, 0, 0, 0.2);  
width: 100%;  
}  
  
.section-title {  
font-size: 18px;  
font-weight: bold;  
margin-top: 20px;  
border-bottom: 2px solid #3c3c3c;  
padding-bottom: 5px;  
}  
  
.resume-content p {  
margin: 5px 0;  
}  
  
.contact-bar {  
background: #3c3c3c;  
color: white;  
text-align: center;  
padding: 15px;  
position: fixed;  
bottom: 0;  
width: 100%;  
display: flex;
```

```
justify-content: center;
gap: 20px;
}

.contact-bar a {
color: white;
text-decoration: none;
font-size: 24px;
}

</style>

<script src="https://kit.fontawesome.com/a076d05399.js"
crossorigin="anonymous"></script>

</head>

<body>

<div class="sidebar">
<a href="certificates.html">Certificates</a>
<a href="projects.html">Projects</a>
<a href="activities.html">Department Activities</a>
<a href="contact.html">Contact</a>
</div>

<div class="content-wrapper">
<div class="header">Vasee's Portfolio</div>
<div class="content">
<h1>Vaseegaran V</h1>
<p>✉️ vaseegaranvpm@gmail.com | 🌈 Tamil Nadu, India</p>
<div class="section-title">Business & Data Analytics</div>
<p>Motivated Computer Science student with expertise in FPV  
Drone Videography, Data Science, and Predictive Analytics. Strong  
ability to solve problems and work with cross-functional teams.</p>
```

```
<div class="section-title">Key Competencies</div>
<p>✓ Data-driven strategic planning | ✓ Critical thinking | ✓ Strong interpersonal skills</p>
<p>✓ Machine Learning | ✓ Python & AI | ✓ Excellent communication skills</p>
<div class="section-title">Professional Experience</div>
<p><strong>Adtitude Labs</strong> - Intern (2024)</p>
<p>Writing scripts for advertising campaigns.</p>
<div class="section-title">Education & Certifications</div>
<p><strong>Bachelor's in Computer Science</strong> - Dr. MGR Educational And Research Institute, Chennai</p>
<p><strong>Completed 12th Standard</strong> - Sunbeam Matric School, Vellore</p>
</div>
</div>
<div class="contact-bar">
<a href="https://twitter.com/yourhandle" target="_blank"><i class="fab fa-twitter"></i></a>
<a href="https://linkedin.com/in/yourhandle" target="_blank"><i class="fab fa-linkedin"></i></a>
<a href="https://instagram.com/yourhandle" target="_blank"><i class="fab fa-instagram"></i></a>
</div>
</body>
</html>
```

-Certificates page-

```
<!DOCTYPE html>
```

```
<html lang="en">
  <head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Certificates</title>
    <style>
      body {
        font-family: Arial, sans-serif;
        margin: 0;
        padding: 20px;
        background-color: #f8f9fa;
        color: #333;
      }
      .container {
        max-width: 800px;
        background: white;
        padding: 40px;
        margin: auto;
        border-radius: 8px;
        box-shadow: 0 5px 15px rgba(0, 0, 0, 0.2);
      }
      .section-title {
        font-size: 24px;
        font-weight: bold;
        margin-bottom: 15px;
        border-bottom: 2px solid #3c3c3c;
        padding-bottom: 5px;
      }
    </style>
  </head>
  <body>
    <div class="container">
      <h2>Certificates</h2>
      <ul>
        <li>Digital Signature Certificate</li>
        <li>Compliance Audit Report</li>
        <li>Software License Agreement</li>
        <li>PCI DSS Certification</li>
        <li>GDPR Privacy Policy</li>
        <li>ISO 9001 Quality Management System</li>
        <li>Hazardous Waste Management Plan</li>
        <li>Employee Training Record</li>
        <li>Supply Chain Audit Report</li>
        <li>Environmental Impact Statement</li>
      </ul>
    </div>
  </body>
</html>
```

```
        }
    </style>
</head>
<body>
    <div class="container">
        <div class="section-title">Certificates</div>
        <p><strong>Business Intelligence with Cognos</strong> - Certified by IBM</p>
        <p><strong>CCNA: Switching and Routing Essentials</strong> - Certified by CISCO</p>
        <p><strong>Cloud Application Developer</strong> - Certified by IBM</p>
        <p><strong>Introduction To Python</strong> - Certified by IBM</p>
        <p><strong>Java Fundamentals</strong> - Certified by IBM</p>
        <p><strong>Introduction to Networks</strong> - Certified by CISCO</p>
    </div>
</body>
</html>
```

-Projects page-

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Projects</title>
```

```
<style>
body {
    font-family: Arial, sans-serif;
    margin: 0;
    padding: 20px;
    background-color: #f8f9fa;
    color: #333;
}

.container {
    max-width: 800px;
    background: white;
    padding: 40px;
    margin: auto;
    border-radius: 8px;
    box-shadow: 0 5px 15px rgba(0, 0, 0, 0.2);
}

.section-title {
    font-size: 24px;
    font-weight: bold;
    margin-bottom: 15px;
    border-bottom: 2px solid #3c3c3c;
    padding-bottom: 5px;
}

</style>
</head>
<body>
    <div class="container">
```

```
<div class="section-title">Projects</div>
<p><strong>Sign Language Recognition</strong> - Developed a Python-based AI model for real-time sign language detection.</p>
<p><strong>Flight Delay Prediction</strong> - Built a machine learning model to predict flight delays using real-world datasets.</p>
<p><strong>Twitter Trend Analysis</strong> - Created a data visualization dashboard analyzing trending topics on Twitter.</p>
</div>
</body>
</html>
```

-Activities Page-

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Department Activities</title>
    <style>
        body {
            font-family: Arial, sans-serif;
            margin: 0;
            padding: 20px;
            background-color: #f8f9fa;
            color: #333;
        }
        .container {
```

```
max-width: 800px;  
background: white;  
padding: 40px;  
margin: auto;  
border-radius: 8px;  
box-shadow: 0 5px 15px rgba(0, 0, 0, 0.2);  
}  
.section-title {  
font-size: 24px;  
font-weight: bold;  
margin-bottom: 15px;  
border-bottom: 2px solid #3c3c3c;  
padding-bottom: 5px;  
}  
</style>  
</head>  
<body>  
<div class="container">  
    <div class="section-title">Department Activities</div>  
    <p><strong>• Techastrra 2024</strong> - Worked in the decoration committee in our department symposium.</p>  
    <h3><u><strong>Other College Events</strong></u></h3>  
    <h4>SRM university, Ramapuram.</h4>  
    <p><strong>• Quintessence 2024</strong> - Participated and Won 1st price in a technical event at ECE department's Symposium.</p>  
    <p><strong>• Aurganon 2024</strong> - Participated and Won 1st price in Treasure Hunt at IT department's Symposium.</p>  
</div>
```

```
</body>
```

```
</html>
```

-Contact Page-

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Contact</title>
    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.4.2/css/all.min.css">
<style>
    body {
        font-family: Arial, sans-serif;
        margin: 0;
        padding: 20px;
        background-color: #f8f9fa;
        color: #333;
        text-align: center;
    }
    .container {
        max-width: 600px;
        background: white;
        padding: 40px;
        margin: auto;
    }
</style>
```

```
border-radius: 8px;  
box-shadow: 0 5px 15px rgba(0, 0, 0, 0.2);  
}  
  
.section-title {  
    font-size: 24px;  
    font-weight: bold;  
    margin-bottom: 15px;  
    border-bottom: 2px solid #3c3c3c;  
    padding-bottom: 5px;  
}  
  
.profile-pic {  
    width: 150px;  
    height: 150px;  
    border-radius: 50%;  
    object-fit: cover;  
    margin-bottom: 15px;  
}  
  
.contact-info {  
    margin: 15px 0;  
    font-size: 18px;  
}  
  
.contact-links a {  
    display: inline-block;  
    margin: 10px;  
    font-size: 30px;  
    text-decoration: none;  
    color: #333;
```

```
        }

    .contact-links a:hover {
        color: #0077b5;
    }

</style>

</head>

<body>

    <div class="container">

        <div class="section-title">Contact</div>

        <p class="contact-info">Email: vaseegaranvpm@gmail.com</p>

        <p class="contact-info">Phone: +91-8667028971</p>

        <div class="contact-links">

            <a href="https://x.com/itsvasee" target="_blank"><i class="fa-brands fa-twitter"></i></a>

            <a href="https://www.linkedin.com/in/vaseegaran-v-27224a25a/" target="_blank"><i class="fa-brands fa-linkedin"></i></a>

            <a href="https://www.instagram.com/itsvasee/" target="_blank"><i class="fa-brands fa-instagram"></i></a>

        </div>

    </div>

</body>

</html>
```

Output Web Pages:

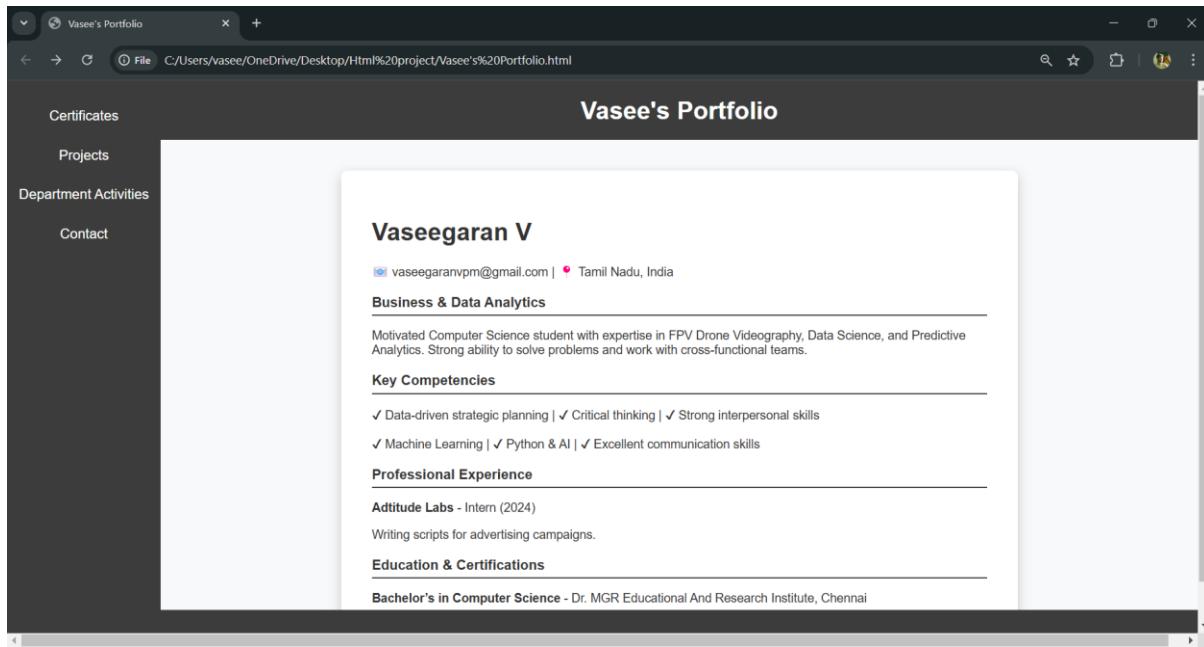


Figure 1.1 – Homepage

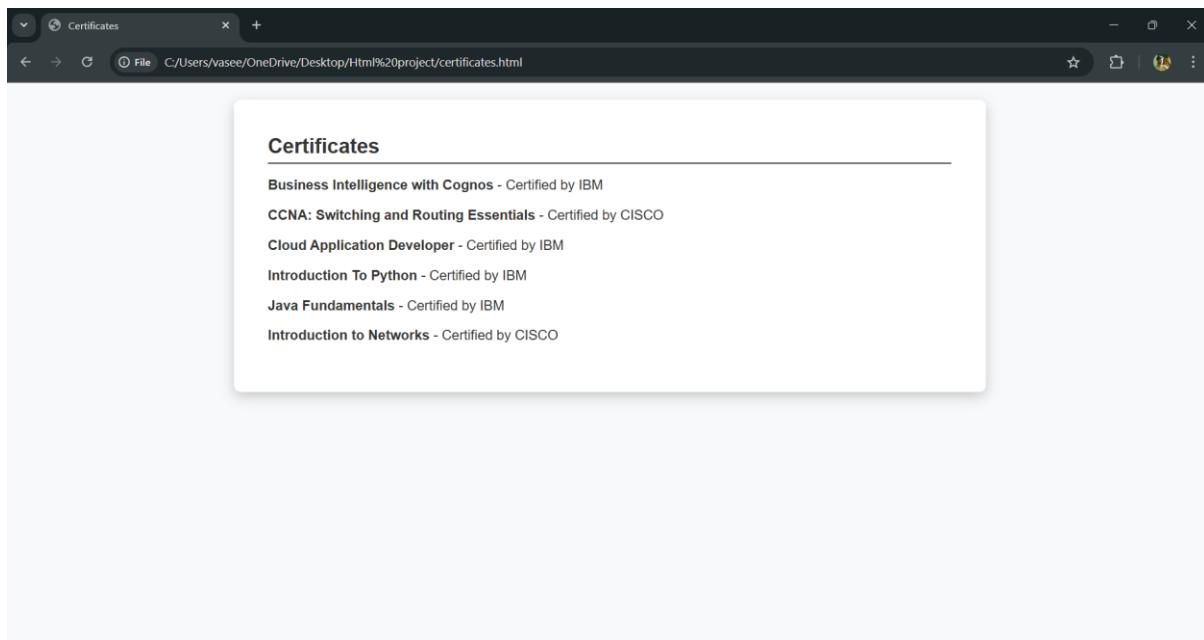


Figure 1.2 – Certificates Page

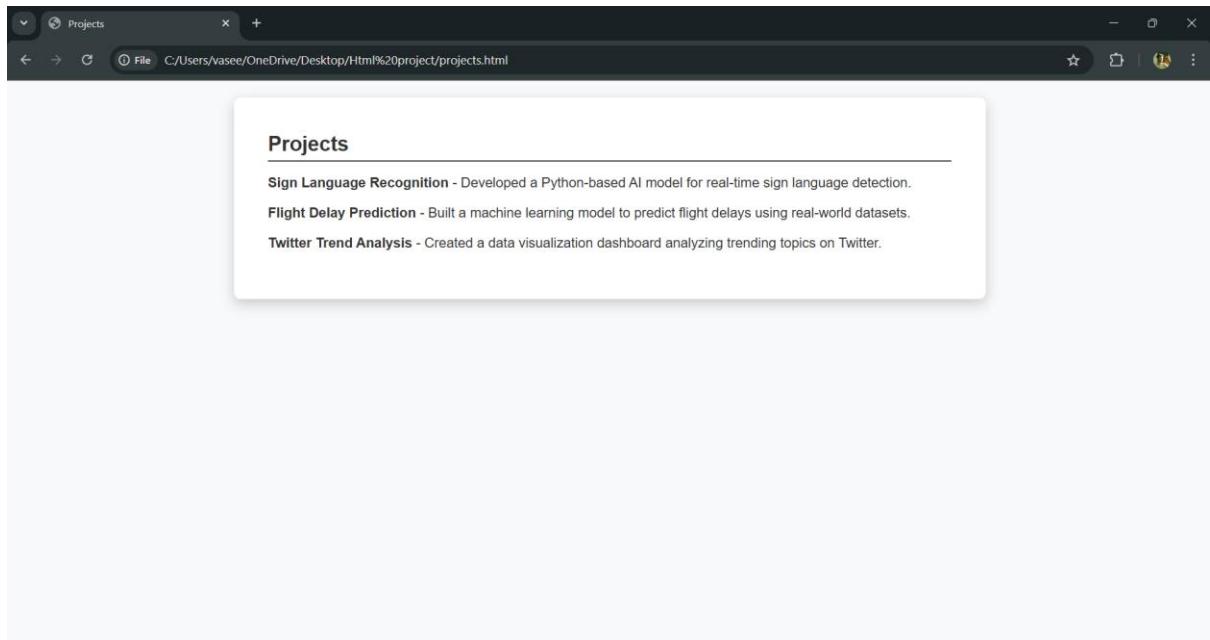


Figure 1.3 – Projects Page

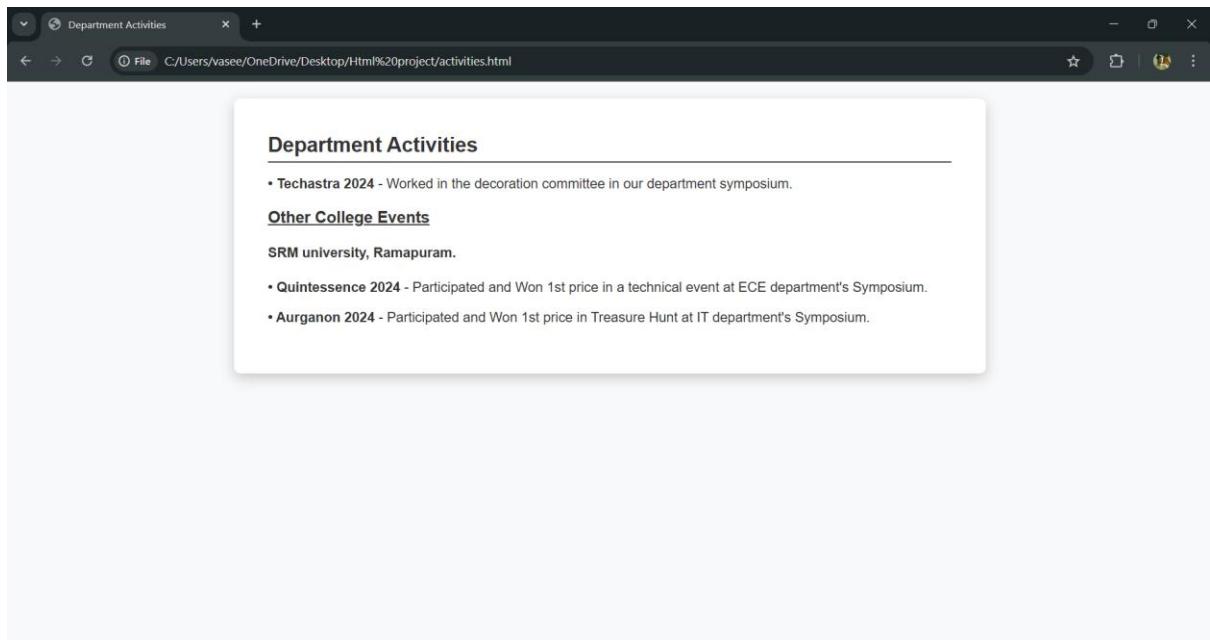


Figure 1.4 – Activities Page

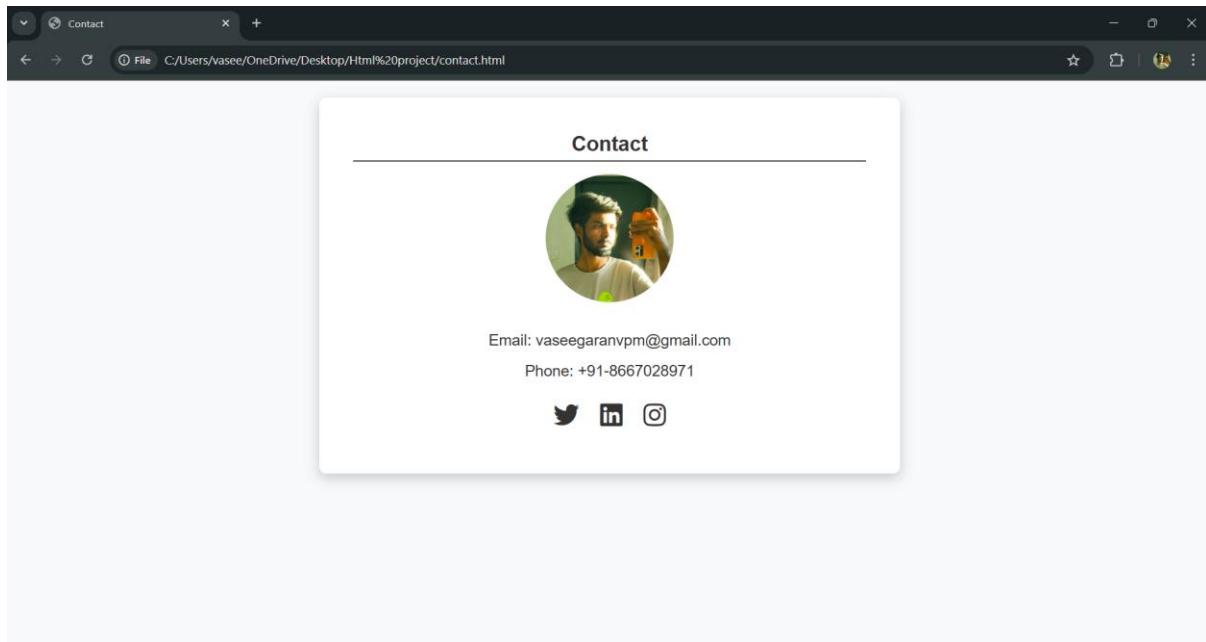


Figure 1.5 – Contacts Page

Results and Learning Outcomes:

- Acquired practical experience in designing structured web layouts and enhancing user interface aesthetics.
- Gained proficiency in HTML and CSS for creating visually appealing and functional web pages.
- Strengthened understanding of responsive design techniques for optimal viewing on various devices.
- Improved knowledge of website navigation strategies for better user experience.
- Enhanced familiarity with linking external resources and embedding social media integrations.
- Developed problem-solving skills by debugging layout and functionality issues.
- Applied best practices in website performance optimization and browser compatibility testing.
- Built a solid foundation for future advancements in web development and UI/UX principles.