Title:

I. Pet Adoption Center Website
II. personal portfolio website

Front-End UI/UX Mini Project

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10/08/2025

By:

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Abstract

1. Pet Adoption Center Website:

This project aims to design and develop a responsive multi-page Pet Adoption Center website using only HTML5 and CSS3. The website serves as an online platform for showcasing available pets, sharing adoption procedures, and providing contact details for potential adopters. The focus was on creating a user-friendly interface with a visually appealing design, consistent color palette, and responsive layout that works across devices. The final outcome is a clean, structured, and accessible front-end website that promotes pet adoption and provides essential information to visitors.

2. Personal Portfolio Website

This project presents two individual portfolio websites, designed exclusively with HTML and CSS. Each portfolio showcases personal information, skills, projects, and contact details in a visually appealing and responsive layout. The goal was to practice modern UI design principles, maintain accessibility, and achieve clean, semantic code. The final product is a static, responsive website that can be used for academic and professional presentation.

Pet Adoption Center Website

Objectives

   I.   Present pet adoption opportunities through a visually engaging, responsive interface.

  II.   Implement **semantic HTML5 elements** for better structure and accessibility.

III.   Use **CSS Flexbox and Grid** to create adaptable layouts.

IV.   Maintain a **consistent color palette and typography** for brand identity.

  V.   Ensure cross-device compatibility for desktop, tablet, and mobile users.

Scope of the Project

The project focuses entirely on **front-end design and layout**. It includes:

- Five fully designed pages: Home, About Us, Available Pets, Adoption Process, Contact.

- Responsive layout suitable for multiple screen sizes.

- Use of **open-source images** and **Google Fonts** for aesthetics.

- Excludes server-side scripting, databases, and advanced interactivity beyond hover effects.

Tools & Technologies Used

Tool / Technology	Purpose
HTML5	Structure and semantic markup
CSS3	Styling, responsive layout
Google Fonts	Custom typography
VS Code	Development environment
Chrome DevTools	Responsive testing and debugging

HTML Structure Overview

I.   All pages begin with <header> containing the site logo/title and navigation links.
II. <nav> provides links to all sections/pages for smooth browsing.
III. Content is divided into <section> and <article> elements for clarity.
IV. <footer> repeats on all pages with social links and copyright.

CSS Styling Strategy

    I.   **External CSS file** for maintainability.
   II.   **Mobile-first design** enhanced with media queries.
  III.   Flexbox used for navigation and footer alignment.
  IV.   Grid layout applied to the pet listing page for visual balance.
   V.   Hover animations for buttons and pet cards to improve engagement.

Key Features

    I.   **Multi-Page Navigation** — Consistent menu structure across all pages.
   II.   **Pet Listing Cards** — Image, name, and availability displayed clearly.
  III.   **Hero Banner** — Eye-catching welcome section on the homepage.
  IV.   **Step-by-Step Adoption Guide** — Simple, visual explanation of the adoption process.
   V.   **Contact Form Layout** — User-friendly fields for inquiries (non-functional in this version).

Challenges Faced & Solutions

Challenge	Solution
Pet images distorted on smaller screens	Used object-fit: cover for uniform appearance
Navigation menu crowded on mobile	Applied flex-wrap and column layout in media queries
Maintaining consistent spacing	Defined reusable CSS classes for margins/paddings

Outcome

The website successfully delivers a **clear, aesthetically pleasing, and responsive** interface that communicates the mission of a pet adoption center. It can serve as a base for future full-stack integration.

Future Enhancements

I.   Add **JavaScript filtering** to sort pets by breed, age, or status.

II.   Implement **form submission backend** to process adoption requests.

III.   Include **image gallery sliders** for each pet profile.

IV.   Add **dark mode** for accessibility.

Sample Code


```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Happy Paws Adoption Center</title>
    <link rel="stylesheet" href="css/style.css">
    <link href="https://fonts.googleapis.com/css2?family=Poppins:wght@400;600&display=swap" rel="stylesheet">
</head>
<body>
<header>
    <h1>Happy Paws Adoption Center</h1>
    <p>Find Your New Best Friend</p>
</header>
<nav>
    <a href="index.html">Home</a>
    <a href="about.html">About Us</a>
    <a href="pets.html">Available Pets</a>
    <a href="process.html">Adoption Process</a>
    <a href="contact.html">Contact</a>
</nav>
<div class="hero">
    <h2>Adopt, Don't Shop!</h2>
    <button>Adopt Now</button>
</div>
<section>
    <h2>Welcome to Happy Paws</h2>
    <p>We are dedicated to helping pets find loving homes. Our center works tirelessly to rescue, rehabilitate, and rehome animals in need.</p>
</section>
<footer>
    <p>&copy; 2025 Happy Paws Adoption Center | Follow us on Social Media</p>
</footer>
</body>
</html>
```

Fig1. Index.html

```html
 2    <html lang="en">
      <head>
 8    </head>
 9    <body>
10    <header>
11        <h1>Happy Paws Adoption Center</h1>
12    </header>
13    <nav>
14        <a href="index.html">Home</a>
15        <a href="about.html">About Us</a>
16        <a href="pets.html">Available Pets</a>
17        <a href="process.html">Adoption Process</a>
18        <a href="contact.html">Contact</a>
19    </nav>
20    <section>
21        <h2>Meet Our Lovely Pets</h2>
22        <div class="pet-grid">
23            <div class="pet-card">
24                <img src="images/pet1.jpg" alt="Pet 1">
25                <h3>Bella - Available</h3>
26            </div>
27            <div class="pet-card">
28                <img src="images/pet2.jpg" alt="Pet 2">
29                <h3>Max - Available</h3>
30            </div>
31            <div class="pet-card">
32                <img src="images/pet3.jpg" alt="Pet 3">
33                <h3>Luna - Adopted</h3>
34            </div>
35        </div>
36    </section>
37    <footer>
38        <p>&copy; 2025 Happy Paws Adoption Center</p>
39    </footer>
40    </body>
41    </html>
```

Fig2.pets.html

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>About Us - Happy Paws</title>
    <link rel="stylesheet" href="css/style.css">
</head>
<body>
<header>
    <h1>Happy Paws Adoption Center</h1>
</header>
<nav>
    <a href="index.html">Home</a>
    <a href="about.html">About Us</a>
    <a href="pets.html">Available Pets</a>
    <a href="process.html">Adoption Process</a>
    <a href="contact.html">Contact</a>
</nav>
<section>
    <h2>About Us</h2>
    <p>Happy Paws is a non-profit organization dedicated to animal welfare. We believe every pet deserves a safe and loving home.</p>
    <h3>Why Adopt?</h3>
    <p>By adopting, you're giving a second chance to an animal in need and reducing the number of stray animals.</p>
</section>
<footer>
    <p>&copy; 2025 Happy Paws Adoption Center</p>
</footer>
</body>
</html>
```

Fig3.about.html

```html
<html lang="en">
<head>
</head>
<body>
<header>
    <h1>Happy Paws Adoption Center</h1>
</header>
<nav>
    <a href="index.html">Home</a>
    <a href="about.html">About Us</a>
    <a href="pets.html">Available Pets</a>
    <a href="process.html">Adoption Process</a>
    <a href="contact.html">Contact</a>
</nav>
<section>
    <h2>Contact Us</h2>
    <p><strong>Address:</strong> 123 Pet Street, Bangalore, India</p>
    <p><strong>Phone:</strong> +91 98765 43210</p>
    <p><strong>Email:</strong> info@happypaws.com</p>
    <br>
    <form>
        <label>Name:</label><br>
        <input type="text" name="name" required><br><br>
        <label>Email:</label><br>
        <input type="email" name="email" required><br><br>
        <label>Message:</label><br>
        <textarea name="message" rows="5" required></textarea><br><br>
        <button type="submit">Send Message</button>
    </form>
</section>
<footer>
    <p>&copy; 2025 Happy Paws Adoption Center | Follow us on Social Media</p>
</footer>
</body>
</html>
```

Fig4.contact.html

```html
<html lang="en">
<body>

<nav>
    <a href="index.html">Home</a>
    <a href="about.html">About Us</a>
    <a href="pets.html">Available Pets</a>
    <a href="process.html">Adoption Process</a>
    <a href="contact.html">Contact</a>
</nav>
<section>
    <h2>Our Adoption Process</h2>
    <div class="pet-grid">
        <article class="pet-card">
            <h3>Step 1: Application</h3>
            <p>Fill out our adoption application form online or at our center.</p>
        </article>
        <article class="pet-card">
            <h3>Step 2: Screening</h3>
            <p>Our team reviews your application and may contact you for more details.</p>
        </article>
        <article class="pet-card">
            <h3>Step 3: Meet & Greet</h3>
            <p>Visit our center to meet the pet and spend time together.</p>
        </article>
        <article class="pet-card">
            <h3>Step 4: Adoption</h3>
            <p>Complete the paperwork and welcome your new family member home.</p>
        </article>
    </div>
</section>
<footer>
    <p>&copy; 2025 Happy Paws Adoption Center</p>
</footer>
</body>
</html>
```

Fig5.process.html

index.html ● ‹› pets.html ‹› about.html ‹› contact.html ‹› process.html # style.css ✕

C: › Users › sharm › Downloads › Pet-Adoption-Center › css › # style.css › ...

```css
1   /* General Reset */
2   * { margin: 0; padding: 0; box-sizing: border-box; }
3   body { font-family: 'Poppins', sans-serif; background-color: #fefaf6; color: #333; line-height: 1.6; }
4   /* Header & Navigation */
5   header { background-color: #ff914d; color: white; padding: 15px 20px; text-align: center; }
6   nav { display: flex; justify-content: center; background-color: #ff6f3c; flex-wrap: wrap; }
7   nav a { color: white; padding: 14px 20px; text-decoration: none; transition: background 0.3s; }
8   nav a:hover { background-color: #ff914d; }
9   /* Hero Section */
10  .hero { background: url('../images/banner.jpg') center/cover no-repeat; height: 300px; display: flex; flex-directi
11  .hero button { margin-top: 15px; padding: 10px 20px; border: none; background: #ff914d; color: white; cursor:
12  .hero button:hover { background: #ff6f3c; }
13  /* Sections */
14  section { padding: 30px; max-width: 1100px; margin: auto; }
15  /* Pet Cards */
16  .pet-grid { display: grid; grid-template-columns: repeat(auto-fit, minmax(250px, 1fr)); gap: 20px; }
17  .pet-card { background: white; border-radius: 8px; overflow: hidden; box-shadow: 0 2px 6px rgba(0,0,0,0.1); tr
18  .pet-card:hover { transform: translateY(-5px); }
19  .pet-card img { width: 100%; height: 200px; object-fit: cover; }
20  .pet-card h3 { padding: 10px; background: #ff914d; color: white; }
21  /* Footer */
22  footer { background: #ff6f3c; color: white; text-align: center; padding: 15px; margin-top: 20px; }
23  /* Responsive */
24  @media (max-width: 768px) { nav { flex-direction: column; } }
25
```
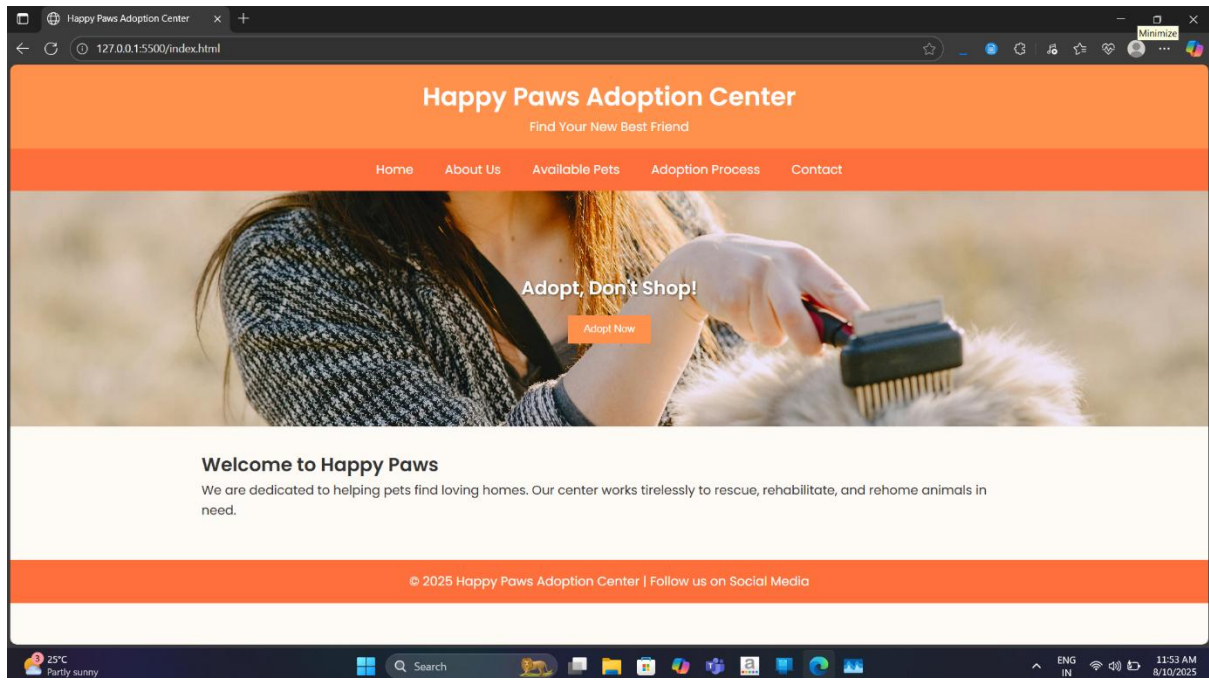
Fig6.style.css

Screenshots of Final Output

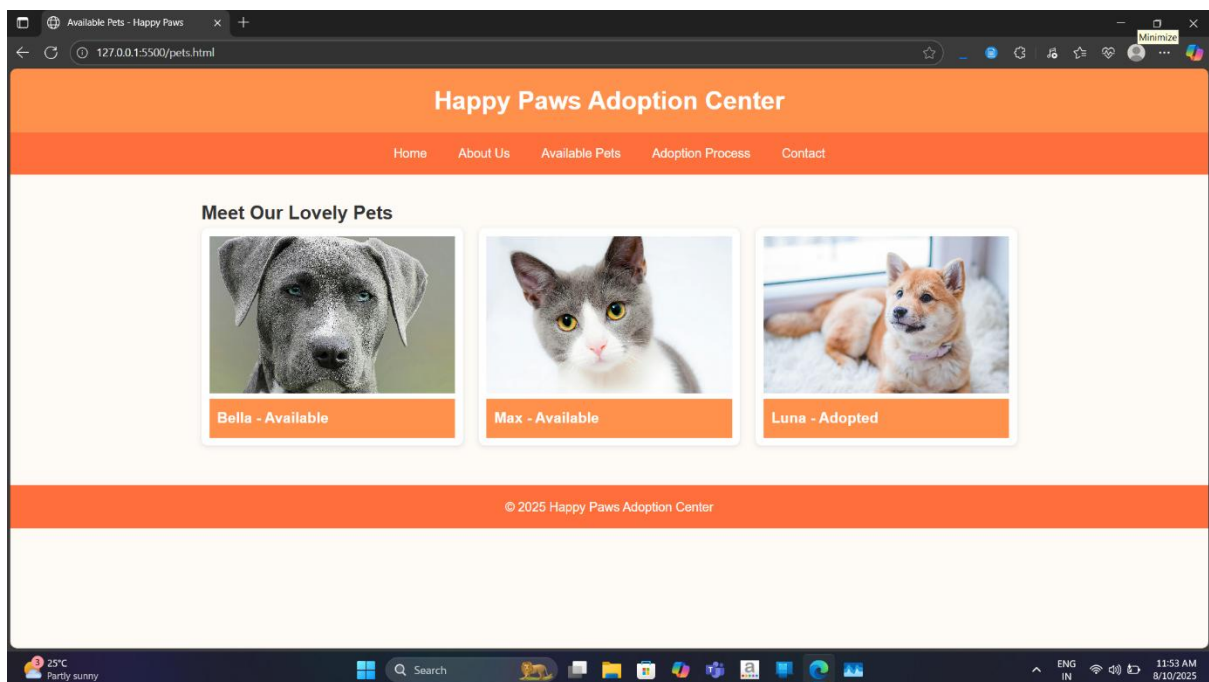Fig7: Preview of Home page in PC

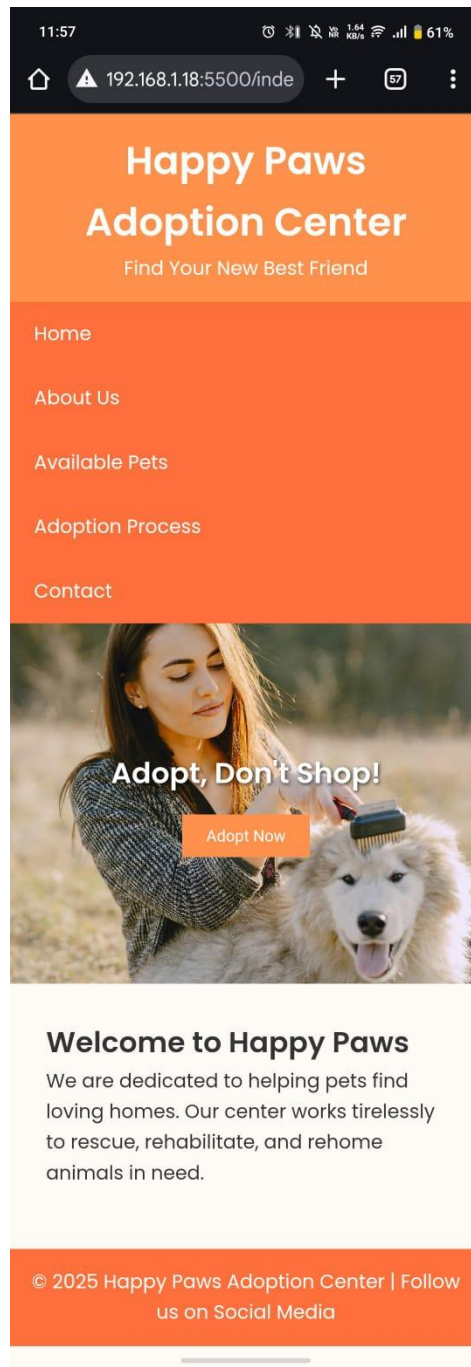Fig8: Preview of Adaption pets page in PC
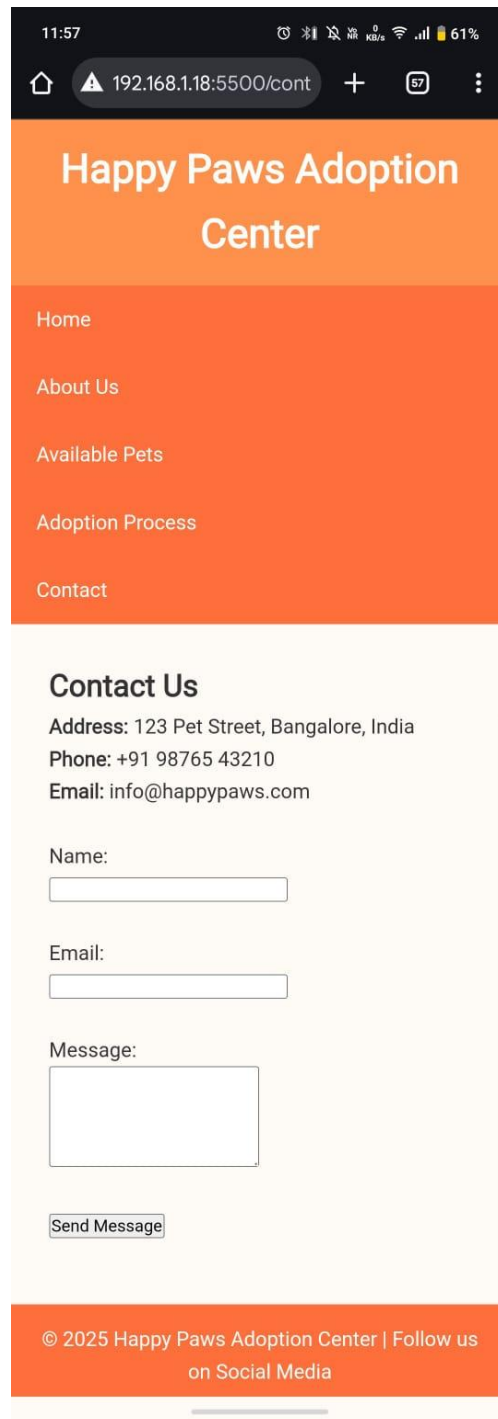
Fig9: Preview of Home page in phone

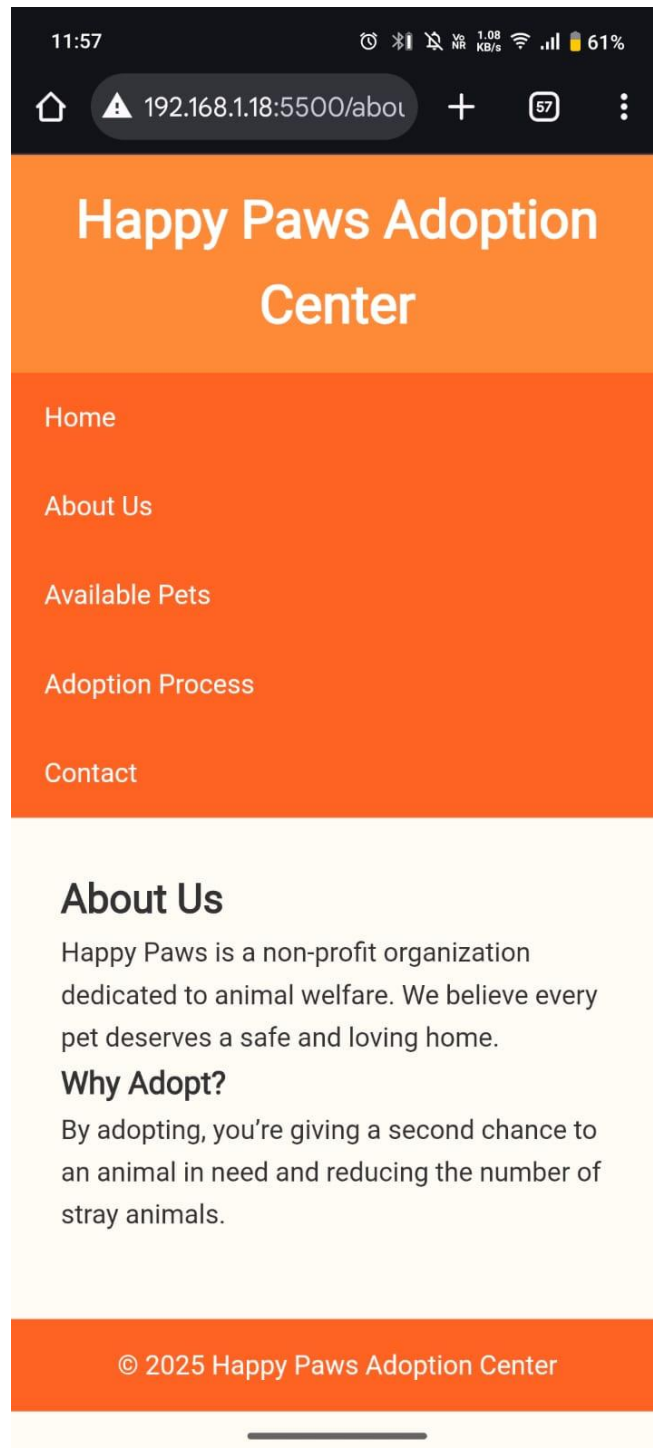Fig10: Preview of Contact page in phone

Fig11: Preview of About page in phone

Conclusion

The "Happy Paws" front-end project demonstrates how effective design principles and modern CSS techniques can be used to create an intuitive, responsive website without relying on JavaScript. This project improved my understanding of **UI/UX workflows**, **mobile-first design**, and **semantic HTML structures**, skills that are essential for real-world web development.

References

- L&T LMS: https://learn.lntedutech.com/Landing/MyCourse

Personal portfolio website

Objectives

a. Design two unique portfolio layouts following modern UI/UX principles.
b. Develop a fully responsive site using only HTML and CSS.
c. Organize content with semantic HTML5 elements.
d. Apply CSS styling to achieve branding consistency.
e. Ensure readability and accessibility across devices.

Scope of the Project

The project is limited to front-end development, focusing on visual design and layout. No JavaScript or backend integration was implemented. The design supports desktop, tablet, and mobile devices using responsive design techniques.

Tools & Technologies Used

Tool / Technology	Purpose
HTML5	Structure and semantic markup
CSS3	Styling, responsive layout
Google Fonts	Custom typography
VS Code	Development environment
Chrome DevTools	Responsive testing and debugging

HTML Structure Overview

Used semantic tags: <header>, <nav>, <section>, <footer>.
Organized into About, Skills, Projects, and Contact sections for each portfolio.
Navigation implemented with anchor links for smooth section scrolling.

CSS Styling Strategy

CSS styles were embedded in the HTML file.
Flexbox was used for alignment and layout.
Color scheme: dark background with neon cyan highlights.
Hover effects for navigation links.
Mobile-first responsive adjustments using media queries.

Key Features

Responsive Design - Adapts seamlessly to various screen sizes.

Smooth Navigation - Top navigation bar with anchor links.

Profile Picture Styling - Circular images with border accents.

Skills Badges - Highlight key skills in visually distinct labels.

Consistent Branding - Dark theme with cyan accent color.

Challenges Faced & Solutions

Challenge	Solution
Pet images distorted on smaller screens	Used object-fit: cover for uniform appearance
Navigation menu crowded on mobile	Applied flex-wrap and column layout in media queries
Maintaining consistent spacing	Defined reusable CSS classes for margins/paddings

Outcome

Successfully developed two responsive portfolio pages using only HTML and CSS. The project improved understanding of responsive layouts, semantic HTML, and consistent UI design.

<u>Future Enhancements</u>

Add JavaScript for interactive elements.

Implement a contact form with backend integration.

Introduce animations and theme toggling.

Sample Code


```html
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4  <meta charset="UTF-8">
5  <meta name="viewport" content="width=device-width, initial-scale=1.0">
6  <title>Two Portfolios</title>
7  <link rel="stylesheet" href="CSS/style.css">
8  </head>
9  <body>
10
11 <!-- Portfolio 1 -->
12 <header>
13     <h1>PORTFOLIO</h1>
14     <p>Anush Jowin A</p>
15     <img src="images/Anush.jpg" alt="Anush's Picture" class="profile-pic">
16 </header>
17
18 <nav>
19     <a href="#about1">About</a>
20     <a href="#skills1">Skills</a>
21     <a href="#projects1">Projects</a>
22     <a href="#contact1">Contact</a>
23 </nav>
24
25 <section id="about1">
26     <h2>About Me</h2>
27     <p>Hello, my name is <b>Anush Jowin A</b>. I'm pursuing a B.Tech in Computer Science (AI & ML) at Christ University. I enjoy solving real-world problems and exploring
28 </section>
29
30 <section id="skills1">
31     <h2>Skills</h2>
32     <div class="skills">
33         <span>HTML</span>
34         <span>CSS</span>
35         <span>UI/UX</span>
```
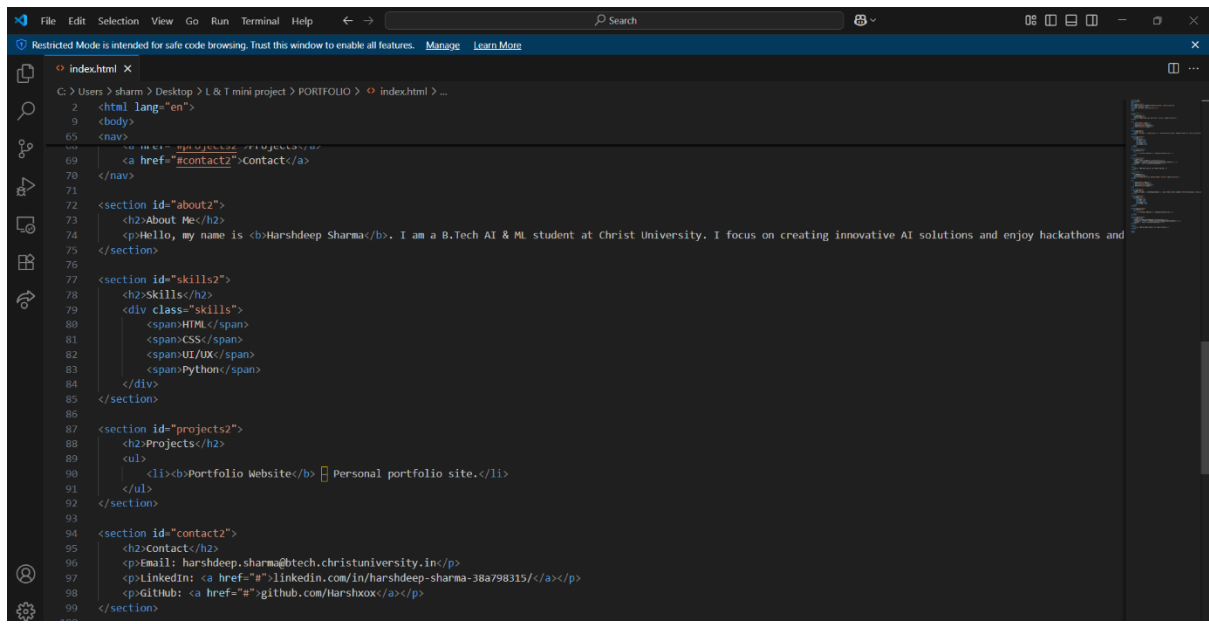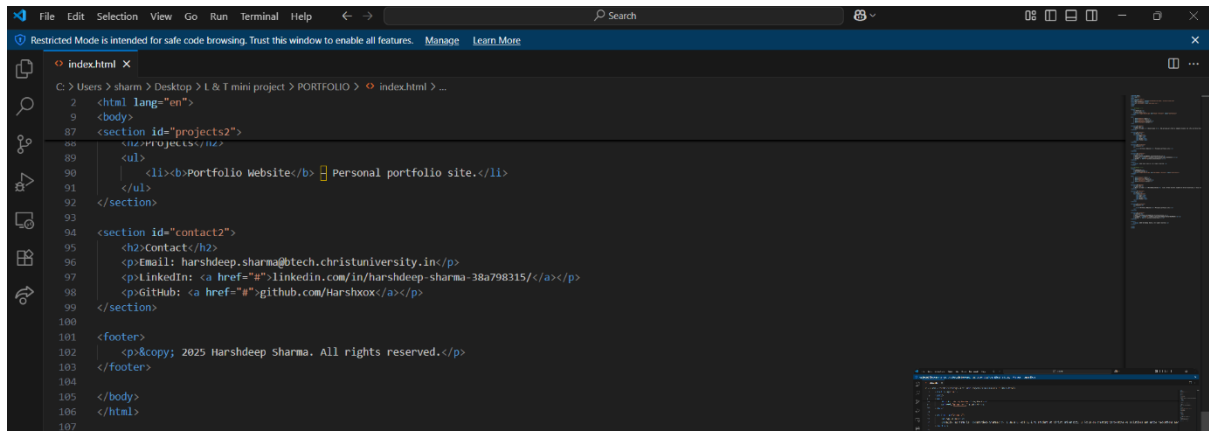


```html
2  <html lang="en">
9  <body>
30 <section id="skills1">
37     </div>
38 </section>
39
40 <section id="projects1">
41     <h2>Projects</h2>
42     <ul>
43         <li><b>Portfolio Website</b> – Personal portfolio site.</li>
44     </ul>
45 </section>
46
47 <section id="contact1">
48     <h2>Contact</h2>
49     <p>Email: anush.jowin@btech.christuniversity.in</p>
50     <p>LinkedIn: <a href="#">linkedin.com/in/anush-jowin-381582315/</a></p>
51     <p>GitHub: <a href="#">github.com/anushjowin</a></p>
52 </section>
53
54 <footer>
55     <p>&copy; 2025 Anush Jowin A. All rights reserved.</p>
56 </footer>
57
58 <!-- Portfolio 2 -->
59 <header>
60     <h1>PORTFOLIO</h1>
61     <p>Harshdeep Sharma</p>
62     <img src="images/harsh.jpg" alt="Harshdeep's Picture" class="profile-pic">
63 </header>
64
65 <nav>
66     <a href="#about2">About</a>
67     <a href="#skills2">Skills</a>
68     <a href="#projects2">Projects</a>
69     <a href="#contact2">Contact</a>
```
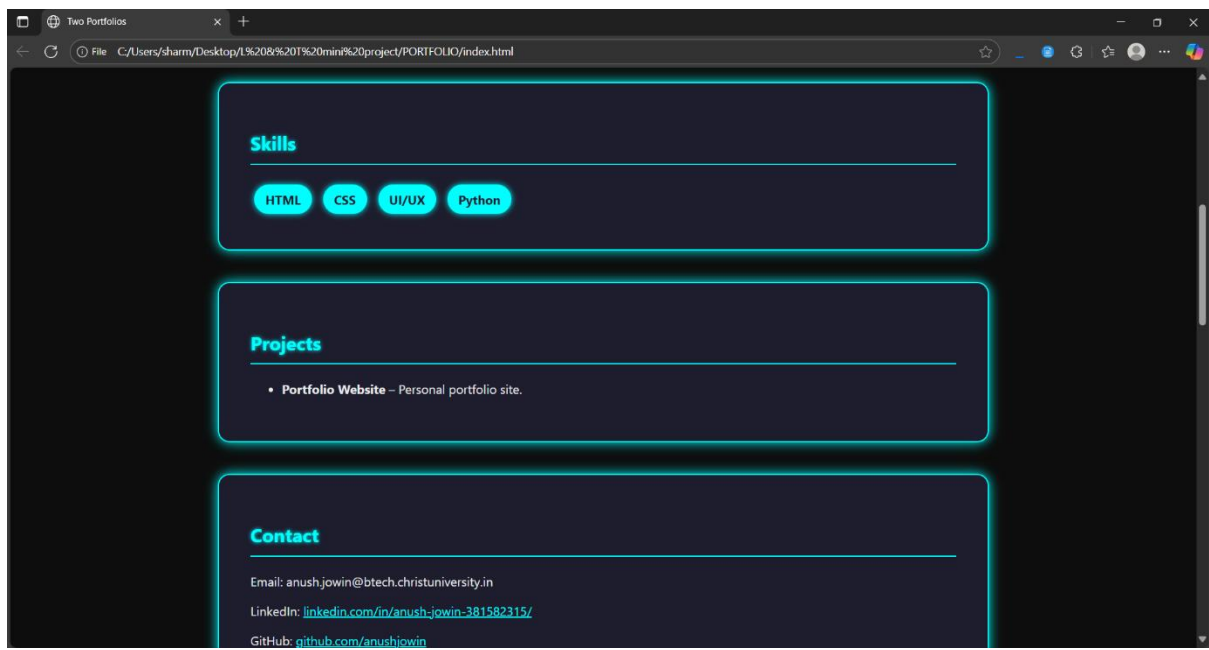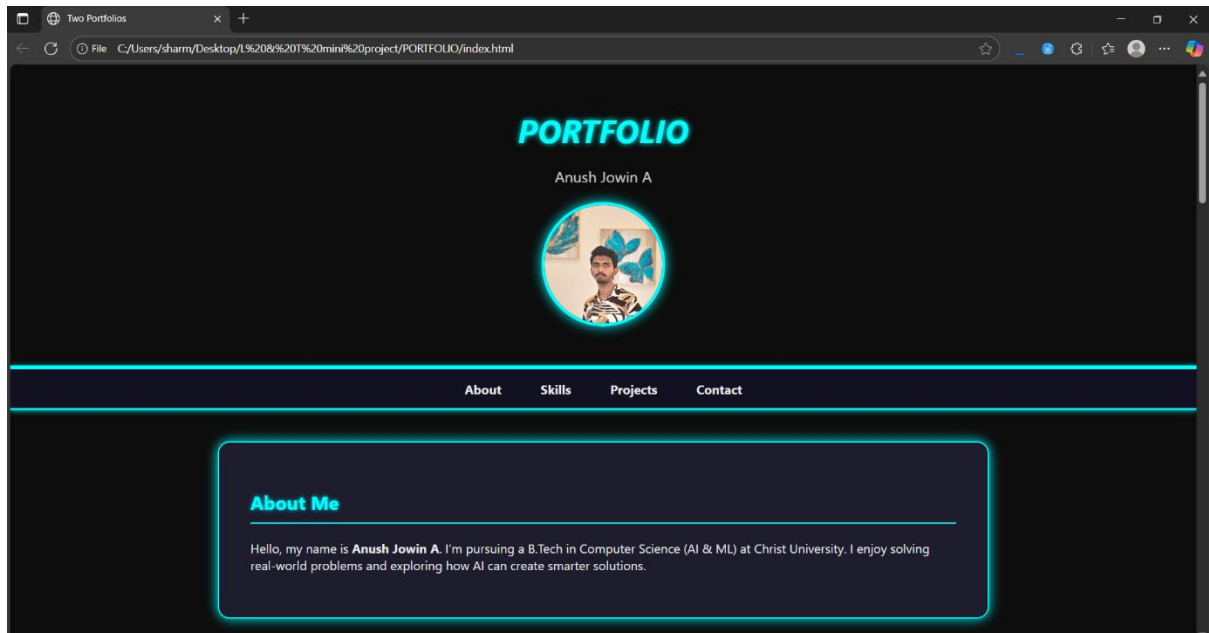
```html
<html lang="en">
<body>
<nav>
        <a href="#projects2">Projects</a>
        <a href="#contact2">Contact</a>
</nav>

<section id="about2">
    <h2>About Me</h2>
    <p>Hello, my name is <b>Harshdeep Sharma</b>. I am a B.Tech AI & ML student at Christ University. I focus on creating innovative AI solutions and enjoy hackathons and
</section>

<section id="skills2">
    <h2>Skills</h2>
    <div class="skills">
        <span>HTML</span>
        <span>CSS</span>
        <span>UI/UX</span>
        <span>Python</span>
    </div>
</section>

<section id="projects2">
    <h2>Projects</h2>
    <ul>
        <li><b>Portfolio Website</b> - Personal portfolio site.</li>
    </ul>
</section>

<section id="contact2">
    <h2>Contact</h2>
    <p>Email: harshdeep.sharma@btech.christuniversity.in</p>
    <p>LinkedIn: <a href="#">linkedin.com/in/harshdeep-sharma-38a798315/</a></p>
    <p>GitHub: <a href="#">github.com/Harshxox</a></p>
</section>
```



```html
<html lang="en">
<body>
<section id="projects2">
    <h2>Projects</h2>
    <ul>
        <li><b>Portfolio Website</b> - Personal portfolio site.</li>
    </ul>
</section>

<section id="contact2">
    <h2>Contact</h2>
    <p>Email: harshdeep.sharma@btech.christuniversity.in</p>
    <p>LinkedIn: <a href="#">linkedin.com/in/harshdeep-sharma-38a798315/</a></p>
    <p>GitHub: <a href="#">github.com/Harshxox</a></p>
</section>

<footer>
    <p>&copy; 2025 Harshdeep Sharma. All rights reserved.</p>
</footer>

</body>
</html>
```

Fig12. P1.html

Screenshots of Final Output

PORTFOLIO

Harshdeep Sharma

About Me

Hello, my name is **Harshdeep Sharma**. I am a B.Tech AI & ML student at Christ University. I focus on creating innovative AI solutions and enjoy hackathons and projects.

Skills

HTML CSS UI/UX Python

Projects

- **Portfolio Website** – Personal portfolio site.

Contact

Email: harshdeep.sharma@btech.christuniversity.in

LinkedIn: linkedin.com/in/harshdeep-sharma-38a798315/

GitHub: github.com/Harshxox

Fig13: Preview of Home page in PC

PORTFOLIO

Harshdeep Sharma

About   Skills   Projects   Contact

About Me

Hello, my name is **Harshdeep Sharma**, and I am a 2nd-year B.Tech student specializing in Computer Science (AI & ML) at Christ University, Kengeri Campus. I have a strong passion for emerging technologies, especially in artificial intelligence, machine learning, and data science. My academic journey has given me a solid foundation in programming, algorithms, and intelligent systems, enabling me to solve problems with both analytical and creative approaches. I enjoy exploring how AI can be

Skills

HTML   CSS   UI/UX

Python

Projects

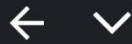- **Portfolio Website** – Personal portfolio site.

Contact

Email: harshdeep.sharma@btech.christuniversity.in

LinkedIn: linkedin.com/in/harshdeep-sharma-38a798315/

GitHub: github.com/Harshxox

PORTFOLIO

Anush Jowin A

About **Skills** **Projects**

Contact

About Me

Hello, my name is **Anush Jowin A**. I'm pursuing a B.Tech in Computer Science (AI & ML) at Christ University. I enjoy solving real-world problems and exploring how AI can create smarter solutions.
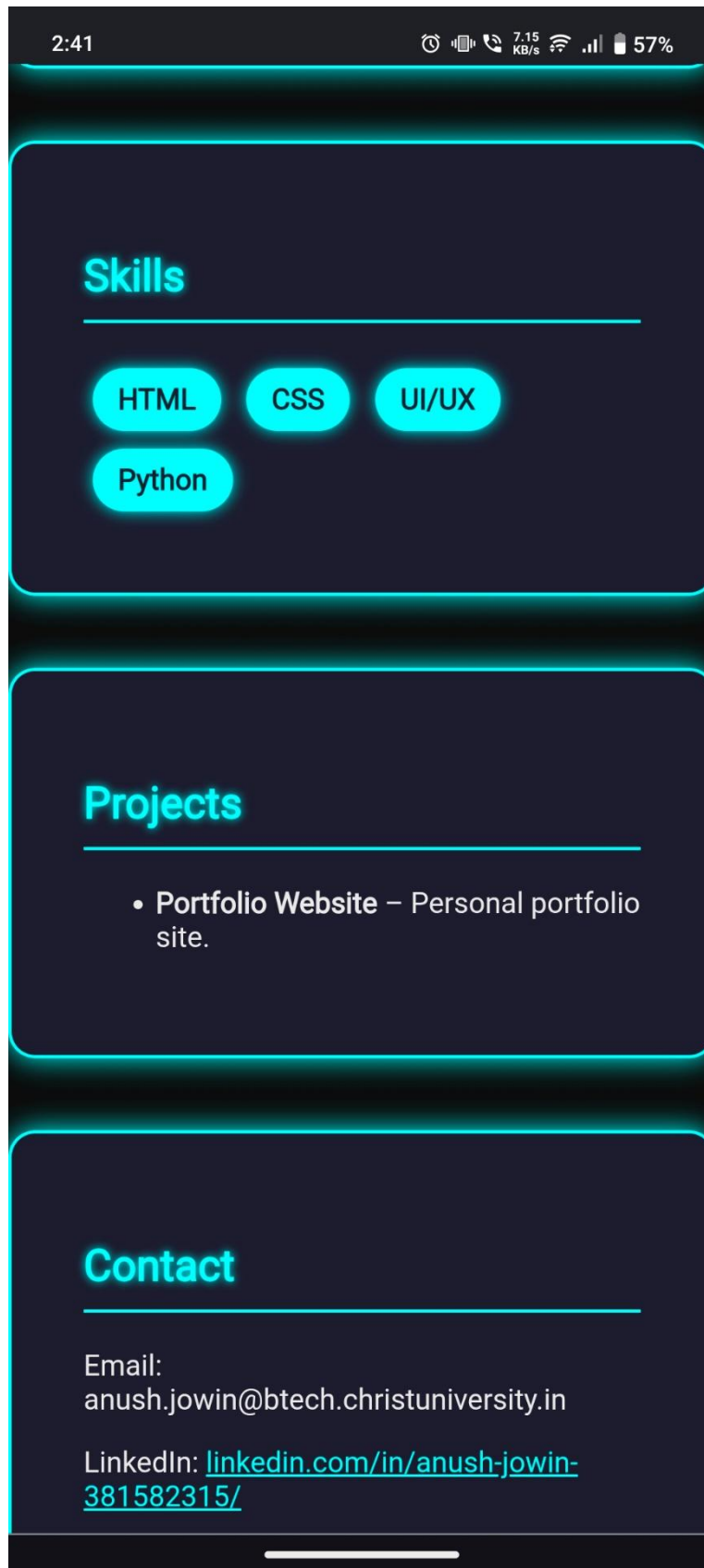
Fig14: Preview of Home page in Mobile phone

Conclusion

This project enhanced our practical skills in HTML and CSS, reinforcing concepts of responsive design, layout structuring, and UI/UX best practices.

References

- L&T LMS: https://learn.lntedutech.com/Landing/MyCourse

Thank you