

Personal Portfolio Website

A PROJECT REPORT

Submitted by

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IN

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LOVELY PROFESSIONAL UNIVERSITY,PUNJAB

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BONAFIDE CERTIFICATE

Certificate that this project report “Personal Portfolio Website”
is the Bonafide work of “Arpita” .

Who carried out the project work under my supervision.

SIGNATURE

Dr. Pushpendra Sarao

CLASS MENTOR

SIGNATURE

Dr. Harminder Singh Saggu

HEAD OF THE DEPARTMENT

SIGNATURE

SUPERVISOR

INTRODUCTION OF THE PROJECT

The Personal Portfolio Website is a front-end development project designed to showcase a fictional digital agency's services, portfolio, and contact options. The primary focus of this project is to develop a responsive, aesthetically pleasing website using HTML for structure, CSS for styling, and JavaScript for interactivity. This project aims to simulate my personal works, providing users with an experience akin to visiting a professional personal portfolio website.

This website was created as a learning project to demonstrate and apply the fundamental principles of web development. By building this project, the goal is to showcase essential skills in front-end design, user interface (UI), and user experience (UX) development.

TECHNOLOGY USED

- HTML
- CSS
- JAVA Script
- VS Coad

WORKFLOW OF THE PROJECT

1. Start

- Project initiation and planning

- Define project goals
- Identify stakeholders
- Create project timetable

2. User Requirements

- Gather using Requirement
- Conduct surveys and interviews
- Define project scope
- Document function and non-functional requirement
- Create requirement specification

3. Design Phase

- Website architecture
- Define site structure and navigation
- Create wireframes and sitemaps
- User interface design
- Design mockups and prototypes
- Conduct usability testing
- Database design
- Design database schema
- Define data models and relationships

4. Development Phase

- Front-end development
- HTML/CSS coding

- JavaScript development
- Responsive design implementation
- Back-end development
- API development and integration
- Database integration
- Set up database servers
- Implement data storage and retrieval

5. Testing Phase

- Unit testing
- Test individual components for functionality
- Integration testing
- Test combined components for interoperability
- User acceptance testing
- Gather user feedback
- Make final adjustments based on feedback

6. Deployment Phase

- Server setup
- Configure web and database servers
- Website deployment
- Upload website files to the server
- Configure domain and DNS settings
- Domain registration
- Register and configure domain name

7. Maintenance Phase

- Bug fixing
- Identify and resolve bugs
- Performance monitoring
- Monitor website performance and uptime
- Updates and upgrades
- Implement new features
- Update existing features and security patches

8. End

- Project closure
- Final project review
- Documentation and handover

❖ HTML Coad

```
❖ <!DOCTYPE html>
❖ <html lang="en">
❖ <head>
❖   <meta charset="UTF-8">
❖   <meta name="viewport" content="width=device-width, initial-scale=1.0">
❖   <meta http-equiv="X-UA-Compatible" content="ie=edge">
❖   <title>My Portfolio</title>
❖   <link rel="stylesheet" href="style.css">
❖ </head>
❖ <body>
❖
❖   <!-- Navigation -->
❖   <header>
❖     <nav>
❖       <ul>
❖         <li><a href="#home">Home</a></li>
❖         <li><a href="#about">About</a></li>
❖         <li><a href="#portfolio">Portfolio</a></li>
❖         <li><a href="#contact">Contact</a></li>
❖       </ul>
❖     </nav>
```

```

❖ </header>
❖
❖ <!-- Home Section -->
❖ <section id="home">
❖   <div class="home-content">
❖     <h1 data text="your Name">Hello, I'm [Arpita]</h1>
❖     <p>Web Developer | Designer | Problem Solver</p>
❖     <a href="#portfolio" class="btn">View My Work</a>
❖   </div>
❖ </section>
❖
❖ <!-- About Section -->
❖ <section id="about">
❖   <h2>About Me</h2>
❖   <p>
❖     I am a passionate web developer with experience in front-end
❖     and back-end technologies. I love creating user-friendly websites and
❖     applications that solve real-world problems.
❖   </p>
❖ </section>
❖
❖ <!-- Portfolio Section -->
❖ <section id="portfolio">
❖   <h2>My Projects</h2>
❖   <div class="project-grid">
❖     <div class="project">
❖       
❖       <h3>Personal portfolio.</h3>
❖       <p>A personal portfolio is a dynamic presentation of an
❖       individual's work and professional journey. It serves as a visual and
❖       written showcase of skills, achievements, and projects, allowing others to
❖       understand the creator's capabilities and style. Typically organized into
❖       sections, it may include case studies, testimonials, a resume, and a brief
❖       personal statement. A well-crafted portfolio not only highlights expertise
❖       but also reflects personal branding, making it a powerful tool for job
❖       applications, networking, or freelance opportunities.</p>
❖     </div>
❖     <div class="project">
❖       
❖       <h3>Students portfolio.</h3>
❖       <p>A student portfolio is a collection of work showcasing a
❖       student's skills, achievements, and progress over time. It typically
❖       includes academic projects, personal reflections, extracurricular
❖       activities, and evidence of learning in various subjects. The portfolio
❖       serves as a tool for self-assessment, growth tracking, and sharing
❖       accomplishments with educators or potential employers.
❖     </p>
❖   </div>
❖ </section>

```

```

❖         </div>
❖         <!-- Add more projects as needed -->
❖     </div>
❖ </section>
❖
❖ <!-- Contact Section -->
❖ <section id="contact">
❖     <h2>Contact Me</h2>
❖     <form>
❖         <label for="name">Name:</label>
❖         <input type="text" id="name" name="name" required>
❖
❖         <label for="email">Email:</label>
❖         <input type="email" id="email" name="email" required>
❖
❖         <label for="message">Message:</label>
❖         <textarea id="message" name="message" required></textarea>
❖
❖         <button type="submit">Send Message</button>
❖     </form>
❖ </section>
❖
❖ <!-- Footer -->
❖ <footer>
❖     <p>&copy; 2024 [Arpita]. All rights reserved.</p>
❖ </footer>
❖
❖ <script src="script.js"></script>
❖ </body>
❖ </html>

```

➤ CSS Coad

```

❖ /* Global Styles */
❖
❖ header {
❖     background: #333;
❖     color: #fff;
❖     padding: 10px 0;
❖     text-align: center;
❖ }
❖
❖ header nav ul {
❖     list-style-type: none;
❖     margin: 0;
❖     padding: 0;
❖ }
❖

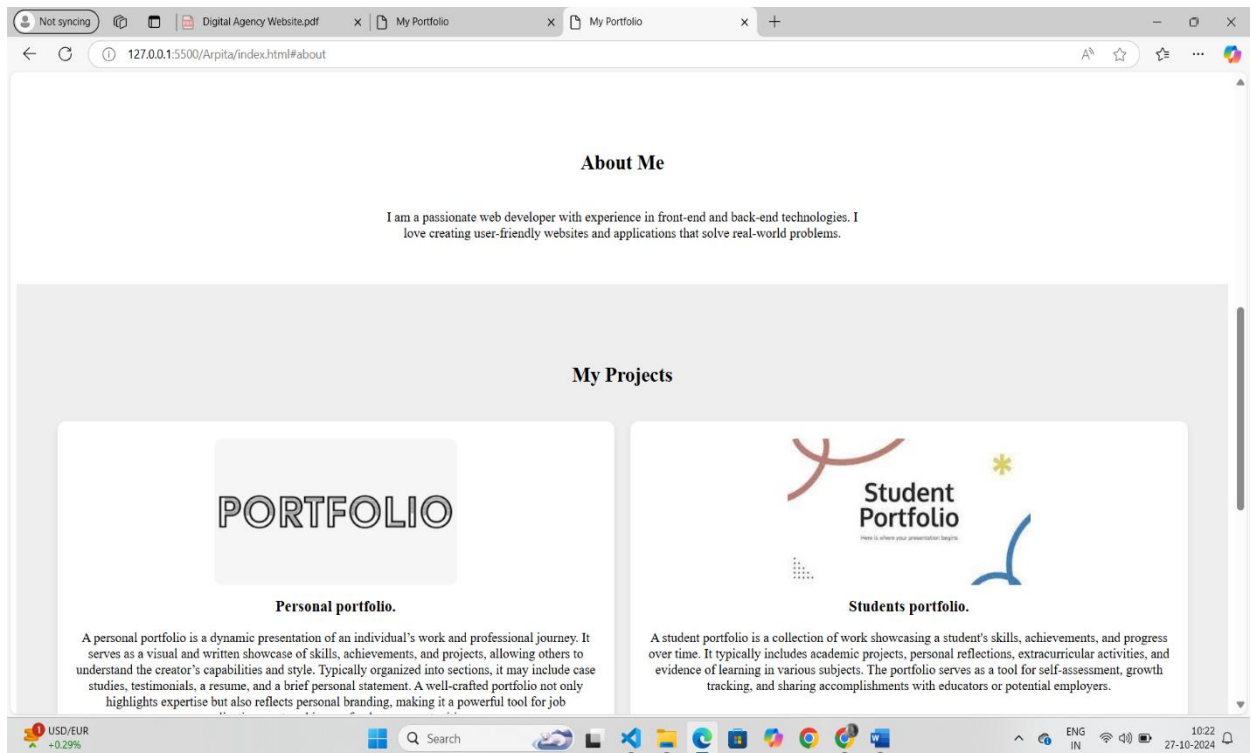
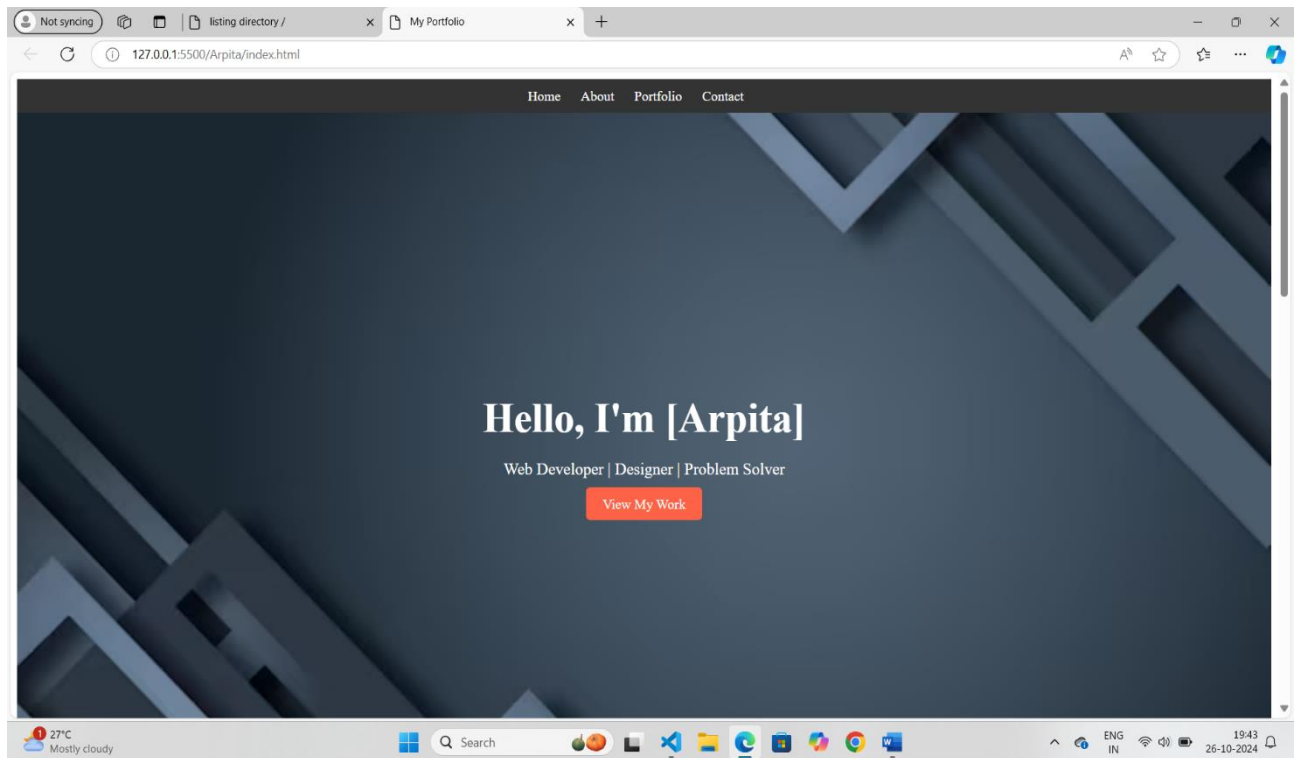
```

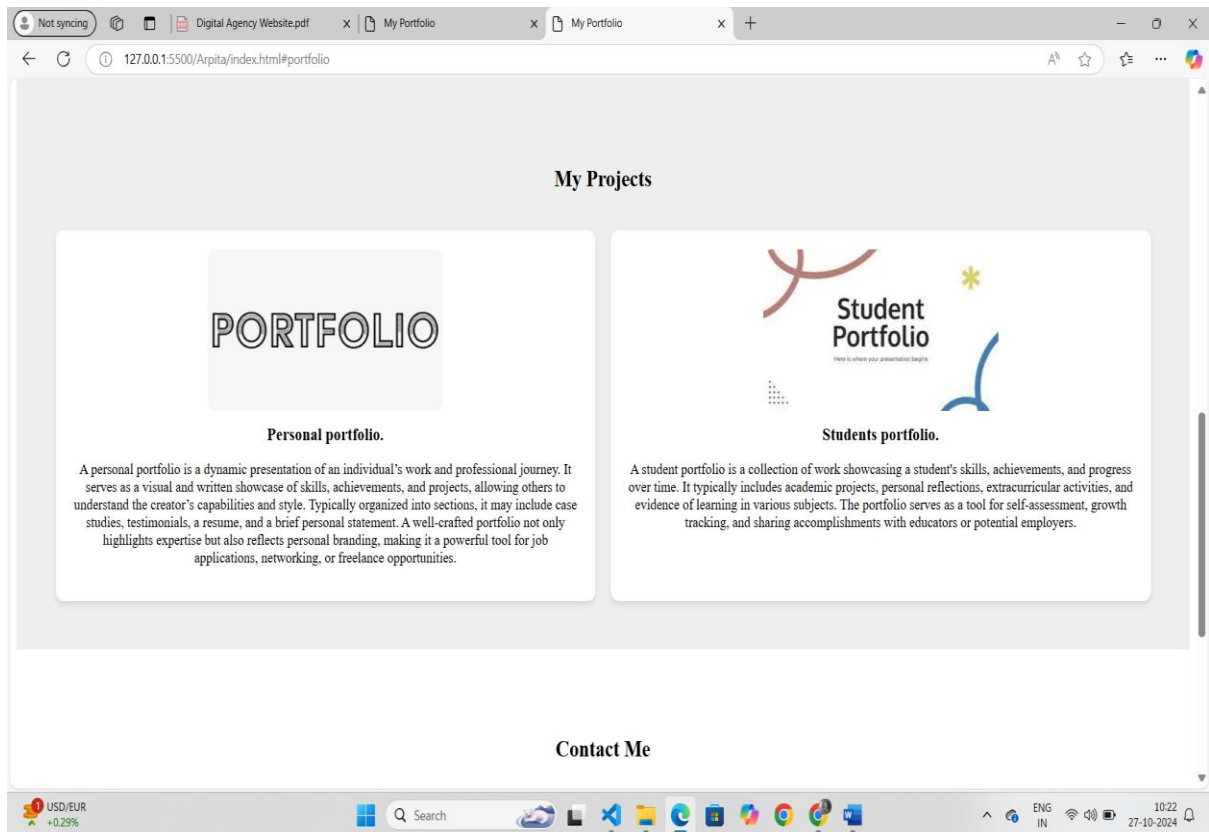


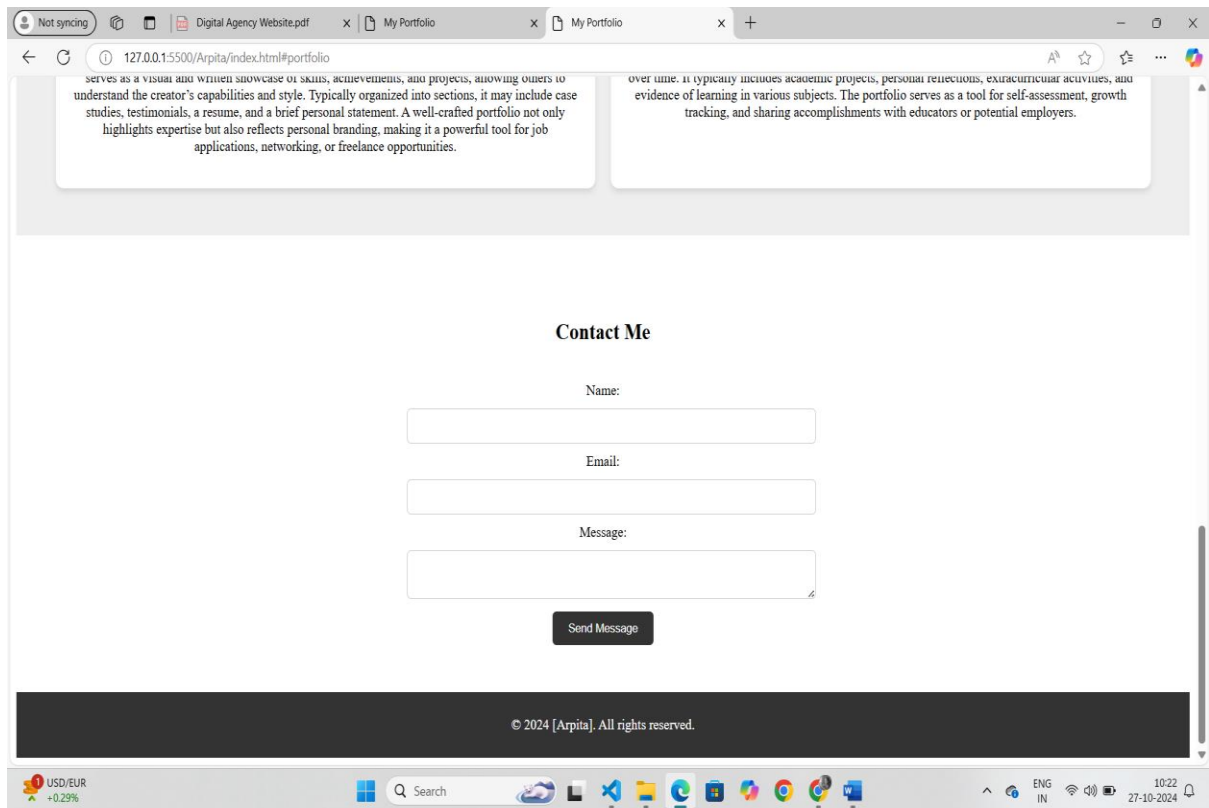
```
❖ header nav ul li {
❖   display: inline;
❖   margin-right: 20px;
❖ }
❖
❖ header nav ul li a {
❖   color: #fff;
❖   text-decoration: none;
❖ }
❖
❖ h2 {
❖   text-align: center;
❖   margin: 40px 0;
❖ }
❖
❖ /* Home Section */
❖ #home {
❖   background: url('paper.jpg') no-repeat center center/cover;
❖   height: 100vh;
❖   display: flex;
❖   justify-content: center;
❖   align-items: center;
❖   color: white;
❖   text-align: center;
❖ }
❖
❖ #home h1 {
❖   font-size: 3rem;
❖   margin-bottom: 20px;
❖ }
❖
❖ #home p {
❖   font-size: 1.2rem;
❖ }
❖
❖ #home .btn {
❖   background-color: #ff6347;
❖   color: white;
❖   padding: 10px 20px;
❖   text-decoration: none;
❖   border-radius: 5px;
❖ }
❖
❖ #home .btn:hover {
❖   background-color: #ff4500;
❖ }
❖
❖ /* About Section */
```

```
❖ #about {
❖   padding: 50px;
❖   background: #fff;
❖   text-align: center;
❖ }
❖
❖ #about p {
❖   max-width: 600px;
❖   margin: 0 auto;
❖ }
❖
❖ /* Portfolio Section */
❖ #portfolio {
❖   padding: 50px;
❖   background: #eee;
❖   text-align: center;
❖ }
❖
❖ .project-grid {
❖   display: grid;
❖   grid-template-columns: repeat(auto-fit, minmax(300px, 1fr));
❖   gap: 20px;
❖ }
❖
❖ .project {
❖   background: #fff;
❖   padding: 20px;
❖   border-radius: 10px;
❖   box-shadow: 0 4px 6px rgba(0, 0, 0, 0.1);
❖ }
❖
❖ .project img {
❖   max-width: 100%;
❖   border-radius: 10px;
❖ }
❖
❖ .project h3 {
❖   margin: 10px 0;
❖ }
❖
❖ /* Contact Section */
❖ #contact {
❖   padding: 50px;
❖   background: #fff;
❖   text-align: center;
❖ }
❖
❖ form {
```

```
❖    max-width: 500px;
❖    margin: 0 auto;
❖ }
❖
❖ form input, form textarea {
❖     width: 100%;
❖     padding: 10px;
❖     margin: 10px 0;
❖     border-radius: 5px;
❖     border: 1px solid #ccc;
❖ }
❖
❖ form button {
❖     padding: 10px 20px;
❖     background-color: #333;
❖     color: white;
❖     border: none;
❖     border-radius: 5px;
❖     cursor: pointer;
❖ }
❖
❖ form button:hover {
❖     background-color: #555;
❖ }
❖
❖ /* Footer */
❖ footer {
❖     background-color: #333;
❖     color: white;
❖     text-align: center;
❖     padding: 10px 0;
❖ }
```







CONCLUSION

This project involved building a personal portfolio website using HTML, CSS, and JavaScript. The goal was to create a platform to showcase my skills, projects, and experience in a visually appealing and user-friendly way. The website features several sections, including an About Me section, a Portfolio section to display completed projects, a Contact section with a form, and a navigation menu for easy access. The website is fully responsive, providing an optimized experience across different devices and screen sizes.

I focused on creating a clean and modern design, using HTML for structure, CSS for styling, and JavaScript for interactivity. By utilizing these technologies, I learned to incorporate animations, interactive buttons, and smooth scrolling to enhance user engagement. The website includes a professional layout and style that reflects my personality and serves as an online resume for potential employers and collaborators.

Project Objectives:

1. **Skill Development:** To strengthen my understanding of core web technologies (HTML, CSS, JavaScript) and to apply these skills in a real-world project.
2. **Portfolio Creation:** To create a centralized platform to showcase my skills, experiences, and projects effectively for networking, internships, or job applications.
3. **Responsiveness and UX:** To build a responsive website that provides a positive user experience across devices, helping me learn best practices in UI/UX design.

4. **Professional Branding:** To develop a personal brand through visual elements and content that reflect my professional and creative personality.

Project Outcomes:

1. **Improved Front-End Skills:** Gained hands-on experience in HTML, CSS, and JavaScript, particularly in areas like layout structuring, styling, and creating interactive elements.
2. **Responsive Web Design:** Created a fully responsive website that works seamlessly across desktops, tablets, and mobile devices, improving accessibility and usability.
3. **UI/UX Knowledge:** Learned how to use colors, typography, and layout effectively to enhance user experience and make content easily navigable.
4. **Increased Visibility and Networking Potential:** Built a personal portfolio that can be shared with potential employers, showcasing my work and skills in a professional manner.
5. **Problem Solving and Debugging:** Improved problem-solving skills by tackling layout and design challenges, debugging JavaScript for interactivity, and ensuring compatibility across browsers.

REFERENCES

1. Web Development Guides and Tutorials

- *MDN Web Docs (Mozilla)* - A comprehensive resource for HTML, CSS, and JavaScript documentation. This guide provided best practices for structuring content, creating semantic HTML, and applying CSS for responsive design.
- *W3Schools* - Offers a variety of tutorials for front-end technologies and guided me through animations, CSS transitions, and JavaScript DOM manipulation.
- *CSS Tricks* - Insightful articles on CSS techniques and layouts, specifically on Flexbox and Grid layouts for creating adaptable designs.

2. UI/UX Design Journals and Studies

- *Journal of Usability Studies* - Provided research-based insights into user behavior, which influenced how I structured my navigation and designed interactive elements.
- *Interaction Design Foundation (IDF)* - Articles on visual hierarchy, color psychology, and typography helped improve my understanding of user-centered design.
- *A Book Apart Series* - Texts like *Designing for Emotion* and *Responsive Web Design* helped shape my approach to crafting a cohesive design that adapts across devices.

3. Market Research Reports

- *Statista Reports on Mobile Internet Usage* - Data on device usage trends to ensure the site was optimized for mobile-first design.

- *Adobe Digital Insights* - Reports and insights on web design trends and user expectations, which informed the styling and interactivity choices.
- *Pew Research Center* - Studies on internet use, helping to understand the target audience's behaviors and preferences in website navigation and content consumption.

4. SEO and Marketing Blogs

- *Neil Patel's Blog* - Articles on personal branding, SEO for beginners, and marketing strategies for personal websites.
- *Ahrefs Blog* - Guides on on-page SEO, keyword optimization, and link-building strategies to improve site visibility and performance.
- *Moz Blog* - Resources on technical SEO, focusing on metadata, image optimization, and page speed, essential for portfolio websites aiming for higher search rankings.

5. Academic Textbooks

- *HTML and CSS: Design and Build Websites* by Jon Duckett - A comprehensive guide on coding fundamentals and web design principles.
- *Don't Make Me Think* by Steve Krug - This usability-focused book offered practical advice on simplifying user navigation and ensuring intuitive interactions.
- *The Principles of Beautiful Web Design* by Jason Beaird - Provided insights into layout, color, texture, and typography, essential for creating a visually engaging site.

6. Valuable Online Tools and Data Sources

- *Google Analytics and Google Search Console* - For tracking visitor engagement and optimizing the site based on user interactions.
- *A/B Testing Tools* (e.g., *Optimizely*) - Used to experiment with different design elements and interactions to enhance user experience.
- *UserTesting Blog* - Articles and case studies on user testing helped validate design decisions by prioritizing usability and accessibility.