

Task 01: Responsive Portfolio Website

Internship Domain: Frontend Development

Intern Name: Manu Kumar

Task Number: 01

Task Title: Interactive Personal Portfolio

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(A) Project Link:

- **GitHub Repository:** <https://github.com/HADESOO7/Interactive-Portfolio>
- **Live Hosted Link:** <https://hadesoo7.github.io/Interactive-Portfolio/>

(B) Project Overview

Objective: To design and develop a responsive, interactive personal portfolio website showcasing professional skills, projects, and contact information. The application focuses on user experience (UX) and clean code structure.

Tech Stack:

- **HTML5:** Semantic structure and layout.
- **CSS3:** Custom styling, animations, and responsive design (Media Queries).
- **JavaScript:** Interactivity (e.g., toggle menus, scroll effects, form validation).

(C) Implementation Details & Code Snippets

1. Key Structure (HTML): It highlights the semantic structure and the "Glass Panel" design pattern.

```
39     <section id="about" class="section-container">
40         <div class="glass-panel profile-panel">
41             <div class="profile-image-large">
42                 
43             </div>
44             <div class="profile-text">
45                 <h2>About Me</h2>
46                 <p>
47                     I am <strong>Manu Kumar</strong>, a Computer Science & Engineering student passionate about building scalable websites and cross-platform mobile
48                     <br><br>
49                     I bridge the gap between backend logic and interactive frontend experiences. My interests range from Full Stack Web Development to complex Game M
50                 </p>
51
52                 <div style="margin-top: 30px; display: flex; align-items: center; gap: 20px; flex-wrap: wrap;">
53                     <a href="Download Resume.pdf" target="_blank" class="btn-resume">
54                         <span class="btn-icon-circle"><i class="fa-solid fa-arrow-down"></i></span>
55                         <span>Download Resume</span>
56                     </a>
57
58                     <div class="status-badge-inline" style="margin-top: 0;">
59                         <span class="pulse"></span> Open to Work
60                     </div>
61                 </div>
62
63             </div>
64         </div>
65     </section>
```

2. Styling & Responsiveness (CSS): it shows how to use CSS Variables for theming and backdrop-filter for the glass effect.

```
117
118 /* --- Glass Panels (Reusable) --- */
119 .glass-panel, .glass-card {
120   background: var(--panel-bg); border: 1px solid var(--panel-border);
121   border-radius: 20px; padding: 30px;
122   backdrop-filter: blur(var(--blur-strength)) saturate(180%);
123   -webkit-backdrop-filter: blur(var(--blur-strength)) saturate(180%);
124   box-shadow: 0 8px 32px 0 □rgba(0, 0, 0, 0.1);
125   transition: all 0.3s ease;
126 }
127
128 /* --- Profile & About --- */
129 .profile-panel {
130   display: flex; flex-direction: row; gap: 40px; align-items: center;
131 }
132 .profile-image-large {
133   flex: 0 0 300px; height: 300px;
134 }
135 .profile-image-large img {
136   width: 100%; height: 100%; object-fit: cover;
137   border-radius: 20px;
138   border: 4px solid □rgba(255,255,255,0.1);
139   box-shadow: 0 10px 40px □rgba(0,0,0,0.3);
140 }
141 .profile-text { flex: 1; }
142 .profile-text h2 { font-size: 2rem; margin-bottom: 15px; }
143
```

3. Interactivity (JavaScript): This snippet shows that DOM manipulation and LocalStorage for saving user preferences.

```
325      // --- Theme Toggle ---
326      const themeToggle = document.getElementById('theme-toggle');
327      const icon = themeToggle.querySelector('i');
328      const html = document.documentElement;
329      const savedTheme = localStorage.getItem('theme') || 'dark';
330
331      html.setAttribute('data-theme', savedTheme);
332      updateIcon(savedTheme);
333
334      themeToggle.addEventListener('click', () => {
335          const currentTheme = html.getAttribute('data-theme');
336          const newTheme = currentTheme === 'dark' ? 'light' : 'dark';
337          html.setAttribute('data-theme', newTheme);
338          localStorage.setItem('theme', newTheme);
339          updateIcon(newTheme);
340      });
341
342      function updateIcon(theme) {
343          if (theme === 'dark') {
344              icon.classList.remove('fa-sun');
345              icon.classList.add('fa-moon');
346          } else {
347              icon.classList.remove('fa-moon');
348              icon.classList.add('fa-sun');
349          }
350      }
351
```

(D) Execution Commands

To run this project locally:

1. **Clone the repository:** git clone <https://github.com/HADESOO7/Interactive-Portfolio.git>
2. **Launch:** Open index.html in any standard web browser.

(E) Interface Screenshots

Figure 1: Landing Page (Desktop View)

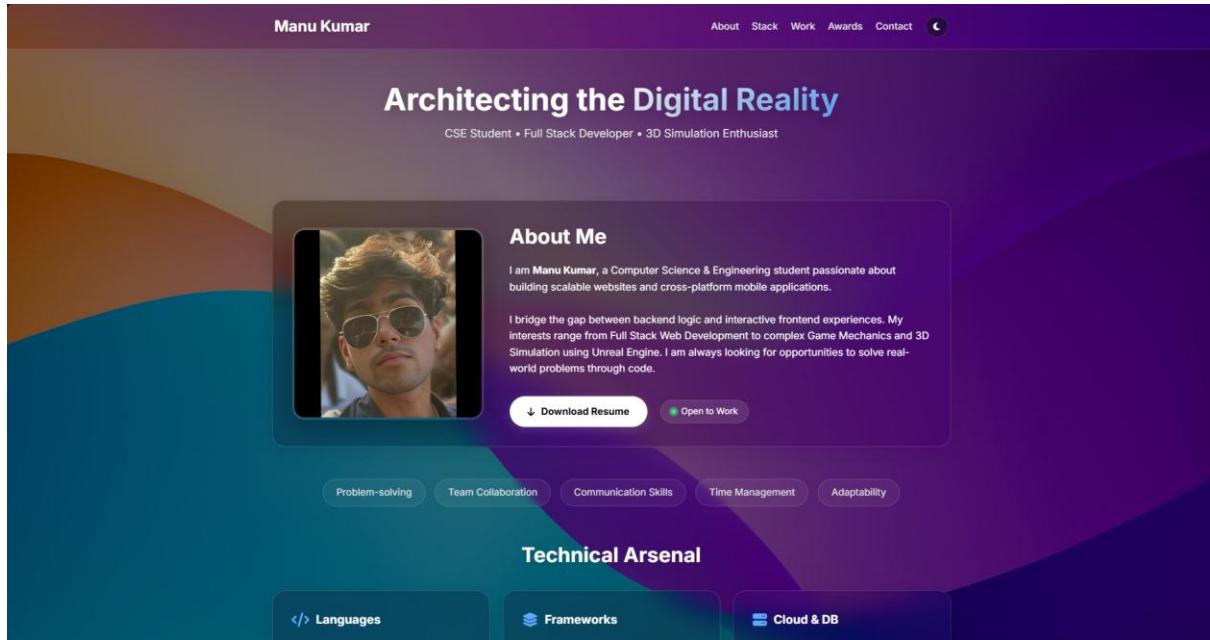


Figure 2: Mobile Responsiveness

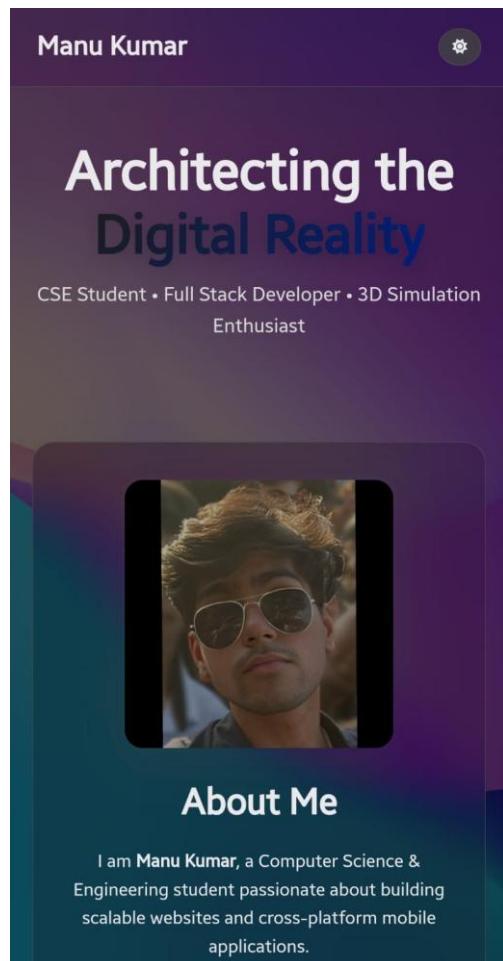


Figure 3: Project/Skills

