INTERACTIVE TEAM PORTFOLIO WEBSITE

Submitted by:
Samuel Biju – 2462141 – samuel.biju@btech.christuniversity.in
Sreehari S – 2462153 – sreehari.s@btech.christuniversity.in
Vedant Joshi – 2462168 – vedant.joshi@btech.christuniversity.in

Course Name: UI and UX Developer
Instructor Name: Narendrakumar
Institution Name: Christ(Deemed to be University) Kengeri
Date of Submission: 26th September, 2025

Abstract

This project presents the design and development of *Innovatec Collective*, a responsive and interactive portfolio website created to showcase team members, their skills, and collaborative projects in a professional and engaging manner. The primary goal of the project is to build a scalable platform that highlights both technical expertise and creative identity while ensuring accessibility and ease of navigation for users. Core technologies employed include **HTML5** for semantic structure, **CSS3 with custom variables** for theming and responsive design, **Bootstrap 5.3.3** for layout and components, and **JavaScript/jQuery with Typed.js** for interactivity, animations, and dynamic content. The final outcome is a modern, dual-theme (dark/light) website featuring animated hero text, scroll-based reveals, project filtering, and a functional contact form. This solution is useful as a professional showcase, adaptable for academic, personal, or organizational branding, and demonstrates best practices in web design, usability, and maintainability.

Objectives

The primary objectives of this project are as follows:

1. **Designing a User-Friendly Interface**

   o Apply modern UI/UX principles to create an intuitive, visually appealing, and engaging portfolio website.

   o Ensure that navigation is simple, consistent, and enhances the overall user experience.

2. **Developing a Fully Responsive Web Layer**

   o Implement a responsive design using **HTML5, CSS3, and JavaScript** to guarantee seamless adaptability across desktops, tablets, and mobile devices.

   o Leverage frameworks such as **Bootstrap** alongside custom styling to maintain consistency and scalability.

3. **Ensuring Accessibility and Readability**

   o Incorporate accessibility best practices, including clear typography, sufficient color contrast, and keyboard-friendly navigation.

   o Optimize readability of content across devices and screen sizes, ensuring inclusivity for a diverse user base.

Together, these objectives aim to deliver a professional, modern, and maintainable portfolio platform that effectively showcases team skills and projects while prioritizing usability and accessibility.

Scope of the Project

The scope of this project is centered on the **front-end design and development** of a responsive portfolio website for the Innovatec Collective team. The project emphasizes creating a visually appealing and user-friendly interface that adheres to modern UI/UX principles, ensuring consistency and professionalism across all sections of the site.

A key aspect of the scope is the implementation of **cross-platform compatibility**, enabling seamless usage on **desktop, tablet, and mobile devices**. Responsive layouts, adaptive typography, and flexible grid systems ensure that the website maintains readability, accessibility, and functionality regardless of screen size or device type.

The project leverages a combination of **core web technologies**—**HTML5** for semantic structure, **CSS3** for styling and theming, and **JavaScript/jQuery** for interactivity and animations. Additionally, external libraries and frameworks such as **Bootstrap 5.3.3** (for responsive grid and components) and **Typed.js** (for dynamic text animation) are integrated to enhance efficiency, maintainability, and user engagement.

The scope is intentionally limited to the **front-end layer**, with no back-end database or server-side logic, making the solution lightweight, scalable, and easily adaptable for academic, professional, or organizational use.

Tools & Technologies Used

Tools and technologies used include:

- **HTML5** – Provides the semantic structure and layout of the website.

- **CSS3** – Handles styling, theming (dark/light modes), animations, and responsive design.

- **JavaScript (ES6) & jQuery** – Adds interactivity, smooth scrolling, filtering, and scroll-based animations.

- **Bootstrap 5.3.3** – Ensures a responsive grid system and pre-built UI components for faster development.

- **Typed.js** – Implements dynamic text animation in the hero section.

- **Google Fonts (Inter & Roboto Mono)** – Enhances typography and readability.

- **LocalStorage API** – Stores user theme preferences (dark/light mode) for persistence.

- **Version Control (Git/GitHub)** – Used for collaboration, version tracking, and project hosting.

HTML Structure Overview

1. **Document Setup**

   o Declares <!DOCTYPE html> and sets language (lang="en") and theme attribute (data-theme="dark").

   o <head> includes metadata, viewport settings, title, Bootstrap CSS, custom stylesheet, and Google Fonts.

2. **Header & Navigation**

   o <header> contains a **sticky navigation bar** built with Bootstrap.

   o Includes site logo/title and navigation links (Home, The Team, Projects, Contact).

   o A **theme toggle button** is placed in the header for switching between dark and light modes.

3. **Main Content (**<main>**)**

   o **Home Section (**#home**)**: Hero banner with heading, animated typed text, tagline, and call-to-action button.

   o **About Section (**#about**)**: Team member cards with profile images, roles, bios, and skill lists.

   o **Projects Section (**#projects**)**: Portfolio grid with filter buttons (All, Web Development, Design) and project cards (image, description, contributors, link).

   o **Contact Section (**#contact**)**: Contact form with recipient dropdown, name, email, and message fields, plus a submit button.

4. **Footer**

   o Contains copyright.

   o Social media links (LinkedIn, GitHub, Twitter).

5. **Scripts**

   o External libraries: jQuery, Bootstrap JS, Typed.js..

   o Custom script file (script.js) for theme toggling, animations, filtering, and navigation logic.

Some of the other key characteristics include:

- **Semantic HTML5 tags** (header, main, section, footer) improve readability and accessibility.

- **Bootstrap classes** ensure responsiveness and grid layout.

- **Custom IDs and classes** (#home, .reveal, .project-card) connect HTML with CSS styling and JS interactivity.

- **Progressive enhancement**: site works with basic HTML, but CSS and JS add polish and interactivity.

CSS Styling Strategy

The styling approach for this project was designed to balance **modern aesthetics, responsiveness, and maintainability**. The strategy can be summarized across the following key areas:

1. **Use of CSS Variables**

   o A centralized set of variables (:root) defines colors, fonts, border radii, and transition speeds.

   o This ensures consistency across the site and simplifies future updates (e.g., changing a brand color requires editing only one variable).

2. **Theme Management (Dark/Light Modes)**

   o The default theme is dark, with a [data-theme="light"] override for light mode.

   o Variables are redefined under the light theme, allowing seamless switching without duplicating styles.

- This approach improves accessibility by giving users control over their viewing preference.

3. **Component-Based Styling**

   - Each section (header, hero, team cards, project cards, contact form, footer) has its own scoped styles.

   - Reusable classes like .btn, .reveal, and .skills-list ensure consistency across multiple components.

   - Hover and focus states are emphasized to enhance interactivity and usability.

4. **Animations and Transitions**

   - Subtle animations (.reveal fade/slide-in, hover lifts on cards and buttons) create a modern, engaging experience.

   - Transitions are standardized with a global --transition-speed variable for smoothness.

5. **Responsive Design**

   - CSS Grid (auto-fit, minmax) and Bootstrap's grid system ensure layouts adapt to desktops, tablets, and mobiles.

   - clamp() is used for fluid typography, scaling headings and text proportionally across devices.

   - Media queries fine-tune spacing and alignment for smaller screens.

6. **Accessibility & Readability**

   - High contrast between text and background colors in both themes.

   - Clear focus outlines for form fields and buttons to support keyboard navigation.

   - Legible font pairings: **Inter** for body text and **Roboto Mono** for headings and accents.

Key Features

1. **Modern User Interface**

   - Clean, professional design guided by modern UI/UX principles.

   - Consistent typography and color schemes for readability and branding.

2. **Responsive Design**

   - Fully adaptable layout across **desktop, tablet, and mobile devices**.

   - Implemented using **Bootstrap grid system**, CSS Grid, and fluid typography (clamp()).

3. **Dark/Light Theme Toggle**

   - Dual-theme support with seamless switching.

   - User preference stored in **LocalStorage** for persistence across sessions.

4. **Dynamic Hero Section**

   - **Typed.js animation** introduces the team with rotating text phrases.

   - Engages users immediately with a modern, interactive effect.

5. **Team Showcase**

   - Individual **team member cards** with photos, bios, and skill tags.

   - Hover effects add interactivity and highlight each member's role.

6. **Portfolio with Filtering**

   - Projects displayed in a responsive grid.

   - **Filter buttons** allow users to view all projects or filter by category (Web Development, Design).

7. **Interactive Navigation**

   - **Smooth scrolling** to sections with offset for sticky header.

   - Active navigation links update dynamically based on scroll position.

8. **Scroll-Based Animations**

   - Elements with .reveal class fade and slide into view as the user scrolls.

   - Enhances engagement without overwhelming performance.

9. **Contact Form**

- Functional form with recipient selection, name, email, and message fields.

- Styled focus states for accessibility and user clarity.

10. **Footer with Social Links**

- Clean footer design with hover-animated social media icons.

- Provides quick access to external platforms like LinkedIn, GitHub, and Twitter.

Challenges Faced & Solutions:

1. **Ensuring Responsive Design Across Devices**

   o *Challenge*: Achieving consistent layouts and readability on desktops, tablets, and mobile devices required careful handling of grids, typography, and spacing.

   o *Solution*: Combined **Bootstrap's grid system** with **CSS Grid** and fluid typography (clamp()) to ensure adaptive layouts. Rigorous testing on multiple screen sizes helped refine breakpoints and spacing.

2. **Implementing Dark/Light Theme Switching**

   o *Challenge*: Maintaining two distinct themes without duplicating large portions of CSS.

   o *Solution*: Adopted a **CSS variable strategy**, redefining variables under [data-theme="light"]. A simple JavaScript function toggled the theme and stored user preference in **LocalStorage** for persistence.

3. **Managing Smooth Animations Without Performance Issues**

   o *Challenge*: Adding scroll-based reveal animations and hover effects risked slowing down performance on lower-end devices.

   o *Solution*: Used lightweight CSS transitions and optimized JavaScript scroll listeners. Animations were kept subtle and efficient, activating only when elements entered the viewport.

4. **Creating an Intuitive Navigation System**

   o *Challenge*: With a sticky header and multiple sections, ensuring smooth scrolling and active link highlighting was complex.

   o *Solution*: Implemented **jQuery scroll detection** to dynamically update active links and smooth scroll animations with offset adjustments for the sticky header.

5. **Filtering Portfolio Projects Dynamically**

   o *Challenge*: Allowing users to filter projects by category without reloading the page.

   o *Solution*: Built a **jQuery-based filtering system** that shows/hides project cards with smooth animations, improving interactivity and user control.

6. **Balancing Aesthetics with Accessibility**

   o *Challenge*: Ensuring that the modern, stylish design did not compromise readability or accessibility.

   o *Solution*: Applied **WCAG-aligned practices** such as high color contrast, clear focus states, semantic HTML5 tags, and keyboard-friendly navigation.

Outcomes

The project successfully delivered a **responsive and interactive portfolio website** that meets its objectives. It provides a professional platform to showcase team members and projects, with a clean design guided by modern UI/UX principles. The site adapts seamlessly across **desktop, tablet, and mobile devices**, ensuring accessibility and readability. Key interactive features such as **dark/light theme switching, smooth scrolling, scroll-based animations, and project filtering** enhance user engagement. The modular structure of the codebase makes the site **scalable and easy to maintain**, allowing new content to be added with minimal effort. Overall, the outcome is a **modern, user-friendly, and inclusive portfolio solution** that balances aesthetics, functionality, and practicality.

Future Enhancements

While the current version of the portfolio website achieves its core objectives, several enhancements can be considered to further improve functionality, scalability, and user engagement:

1. **Backend Integration**

   o Add a server-side layer with a database (e.g., **Node.js + MongoDB**) to store and manage project details, contact form submissions, and team updates dynamically.

2. **Content Management System (CMS)**

   o Integrate a lightweight CMS (e.g., **Strapi, WordPress headless**) to allow non-technical users to update team profiles, projects, and content without editing code.

3. **Advanced Accessibility Features**

   o Implement ARIA roles, screen-reader optimizations, and a high-contrast mode to make the site more inclusive for users with disabilities.

4. **Performance Optimization**

   o Use image compression, lazy loading, and code minification to improve load times, especially on mobile networks.

5. **Enhanced Interactivity**

   o Add animations using **GSAP** or **Framer Motion** for richer transitions.

   o Introduce project detail modals or case study pages for deeper insights.

6. **Deployment & Analytics**

   o Host the site on platforms like **Netlify** or **Vercel** for continuous deployment.

   o Integrate **Google Analytics** or similar tools to track user engagement and improve design decisions.

7. **Scalability for Teams**

   o Extend the platform to support multiple teams or organizations, making it a reusable template for broader use.

Sample Code

1.For the HTML index page:

```html
<!DOCTYPE html>
<html lang="en" data-theme="dark">
<head>
  <meta charset="UTF-8" />
  <meta name="viewport" content="width=device-width, initial-scale=1.0"/>
  <title>Innovatec Collective - Team Portfolio</title>

  <!-- Bootstrap CSS -->
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css" rel="stylesheet"/>

  <!-- Google Fonts -->
  <link rel="preconnect" href="https://fonts.googleapis.com"/>
  <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin/>
  <link href="https://fonts.googleapis.com/css2?family=Roboto+Mono:wght@400;700&family=Inter:wght@400;600;700&display=swap" rel="stylesheet"/>

  <!-- Custom CSS -->
  <link rel="stylesheet" href="css/style.css"/>
</head>
<body>
  <header id="header">
    <nav class="navbar navbar-expand-md">
      <div class="container-xl">
        <a href="#home" class="nav-logo">Innovatec Collective</a>
        <div class="d-flex align-items-center">
          <ul class="nav-menu me-3">
            <li class="nav-item"><a href="#home" class="nav-link">Home</a></li>
            <li class="nav-item"><a href="#about" class="nav-link">The Team</a></li>
            <li class="nav-item"><a href="#projects" class="nav-link">Projects</a></li>
            <li class="nav-item"><a href="#contact" class="nav-link">Contact</a></li>
          </ul>
          <button id="theme-toggle" class="btn">Light Mode</button>
        </div>
      </div>
    </nav>
```

```html
    </header>

  <main>
    <section id="home" class="home-section text-center">
      <div class="container">
        <h1 class="reveal">We Are Innovatec Collective.</h1>
        <h2 class="reveal">We build <span class="typed-text"></span></h2>
        <p class="lead text-secondary reveal col-md-8 mx-auto">
          A passionate team of developers and strategists dedicated to building modern, responsive,
and user-friendly digital solutions.
        </p>
        <a href="#projects" class="btn btn-lg mt-4 reveal">View Our Work</a>
      </div>
    </section>

    <section id="about" class="content-section">
      <div class="container">
        <h2 class="reveal">Meet the Team</h2>
        <div class="row g-4 justify-content-center">
          <div class="col-lg-4 col-md-6 reveal">
            <div class="team-member-card">
              <img src="images/vedant.jpg" alt="Vedant Joshi" class="team-member-photo"/>
              <h3 class="member-name">Vedant Joshi</h3>
              <p class="member-role">Developer & E-Sports Strategist</p>
              <p class="member-bio">Vedant blends technical precision with competitive flair.</p>
              <ul class="skills-list">
                <li>HTML5 & CSS3</li><li>Python</li><li>Game Strategy</li><li>Leadership</li>
              </ul>
            </div>
          </div>
          <div class="col-lg-4 col-md-6 reveal">
            <div class="team-member-card">
              <img src="images/samuel.jpg" alt="Samuel Biju" class="team-member-photo"/>
              <h3 class="member-name">Samuel Biju</h3>
              <p class="member-role">Programmer & Tenor Virtuoso</p>
              <p class="member-bio">A fusion of clarity and artistry in code and music.</p>
              <ul class="skills-list">
                <li>HTML, Python & C</li><li>Algorithmic Thinking</li><li>Music Theory</li>
              </ul>
            </div>
          </div>
          <div class="col-lg-4 col-md-6 reveal">
            <div class="team-member-card">
              <img src="images/sreehari.jpg" alt="Sreehari S." class="team-member-photo"/>
```

```html
        <h3 class="member-name">Sreehari S.</h3>
        <p class="member-role">Developer & Strategic Leader</p>
        <p class="member-bio">Builds software with precision and purpose.</p>
        <ul class="skills-list">
          <li>C, Python & Java</li><li>OOPs</li><li>Strategic Planning</li><li>NCC
Leadership</li>
        </ul>
      </div>
    </div>
   </div>
  </section>

  <section id="projects" class="content-section">
   <div class="container">
    <h2 class="reveal">Our Portfolio</h2>
    <div id="project-filters" class="text-center mb-5 reveal">
     <button class="btn active" data-filter="*">All</button>
     <button class="btn" data-filter=".web-dev">Web Development</button>
     <button class="btn" data-filter=".design">Design</button>
    </div>
    <div class="projects-grid">
     <article class="project-card reveal web-dev">
      <img src="images/project1.jpeg" alt="Project Screenshot"/>
      <div class="project-card-content">
       <h3>Project One Title</h3>
       <p>A brief description and technologies used.</p>
       <div class="project-author">Contributors: Vedant, Samuel</div>
       <a href="#" class="btn mt-auto" target="_blank">View Project</a>
      </div>
     </article>
     <article class="project-card reveal design">
      <img src="images/project2.jpeg" alt="Project Screenshot"/>
      <div class="project-card-content">
       <h3>Project Two Title</h3>
       <p>UI/UX design process and tools (Figma, Adobe XD).</p>
       <div class="project-author">Contributors: Sreehari</div>
       <a href="#" class="btn mt-auto" target="_blank">View Project</a>
      </div>
     </article>
     <article class="project-card reveal web-dev">
      <img src="images/project3.jpeg" alt="Project Screenshot"/>
      <div class="project-card-content">
       <h3>Project Three Title</h3>
```

```html
        <p>MERN stack app: architecture and problem solved.</p>
        <div class="project-author">Contributors: Team Project</div>
        <a href="#" class="btn mt-auto" target="_blank">View Project</a>
      </div>
     </article>
    </div>
   </div>
  </section>

  <section id="contact" class="content-section">
   <div class="container">
    <h2 class="reveal">Get In Touch</h2>
    <form id="contact-form" class="contact-form reveal col-md-8 mx-auto">
     <div class="form-group mb-3">
      <label for="recipient" class="form-label">Recipient</label>
      <select id="recipient" name="recipient" class="form-control" required>
       <option value="general">General Inquiry</option>
       <option value="vedant">Vedant Joshi</option>
       <option value="samuel">Samuel Biju</option>
       <option value="sreehari">Sreehari S.</option>
      </select>
     </div>
     <div class="form-group mb-3">
      <label for="name" class="form-label">Name</label>
      <input type="text" id="name" name="name" class="form-control" required/>
     </div>
     <div class="form-group mb-3">
      <label for="email" class="form-label">Email</label>
      <input type="email" id="email" name="email" class="form-control" required/>
     </div>
     <div class="form-group mb-3">
      <label for="message" class="form-label">Message</label>
      <textarea id="message" name="message" rows="5" class="form-control"
required></textarea>
     </div>
     <button type="submit" class="btn w-100">Send Message</button>
    </form>
   </div>
  </section>
 </main>

 <footer class="text-center py-4">
  <p class="mb-2">&copy; 2025 Innovatec Collective. All rights reserved.</p>
  <div class="social-icons">
```

```html
    <a href="#" target="_blank">LinkedIn</a>
    <a href="#" target="_blank">GitHub</a>
    <a href="#" target="_blank">Twitter</a>
   </div>
  </footer>

  <!-- Scripts -->
  <script src="https://code.jquery.com/jquery-3.7.1.min.js"></script>
  <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js"></script>
  <script src="https://unpkg.com/typed.js@2.1.0/dist/typed.umd.js"></script>
  <script src="js/script.js"></script>
</body>
</html>
```

CSS Code:

```css
:root {
  --font-body: 'Inter', sans-serif;
  --font-mono: 'Roboto Mono', monospace;
  --font-size-base: 16px;
  --border-radius: 8px;
  --transition-speed: 0.3s;
  --color-primary: #64ffda;
  --color-primary-hover: #00e0b8;
  --color-accent: #64ffda;
  --color-text-primary: #ccd6f6;
  --color-text-secondary: #8892b0;
  --color-headings: #e6f1ff;
  --color-bg: #0a192f;
  --color-surface: #112240;
  --color-border: #233554;
}

html { scroll-behavior: smooth; scroll-padding-top: 70px; }
body {
  font-family: var(--font-body);
  font-size: var(--font-size-base);
  margin: 0; background: var(--color-bg); color: var(--color-text-primary);
  line-height: 1.7; transition: background var(--transition-speed) ease, color var(--transition-
speed) ease;
}
```

```css
main { padding-top: 3rem; }
h1,h2,h3,h4 { font-family: var(--font-mono); color: var(--color-headings); line-height: 1.2; }
h1 { font-size: clamp(2.5rem, 5vw, 4rem); }
h2 { font-size: clamp(2rem, 4vw, 3rem); }
h3 { font-size: 1.5rem; }
a { color: var(--color-accent); text-decoration: none; font-weight: 600; }

/* Light theme */
[data-theme="light"] {
  --color-primary: #007BFF;
  --color-primary-hover: #0056b3;
  --color-accent: #007BFF;
  --color-text-primary: #333;
  --color-text-secondary: #555;
  --color-headings: #111;
  --color-bg: #f4f8ff;
  --color-surface: #ffffff;
  --color-border: #e0e0e0;
}

/* Reveal animation */
.reveal { opacity: 0; transform: translateY(30px); transition: opacity .6s ease-out, transform .6s ease-out; }
.reveal.visible { opacity: 1; transform: translateY(0); }

/* Header & nav */
header { position: sticky; top: 0; z-index: 1000; background: hsla(212,72%,11%,0.85); backdrop-filter: blur(10px); border-bottom: 1px solid var(--color-border); }
[data-theme="light"] header { background: hsla(0,0%,100%,0.8); }
.navbar { height: 70px; }
.nav-logo { font-size: 1.5rem; font-weight: 700; color: var(--color-headings); }
.nav-menu { display: flex; list-style: none; gap: 1rem; margin: 0; padding: 0; }
.nav-link { color: var(--color-text-secondary); padding: .5rem .75rem; position: relative; transition: color var(--transition-speed) ease; }
.nav-link::after { content: ''; position: absolute; width: 100%; height: 2px; bottom: 0; left: 0; background: var(--color-primary); transform: scaleX(0); transform-origin: bottom right; transition: transform var(--transition-speed) ease-out; }
.nav-link:hover, .nav-link.active { color: var(--color-primary); }
.nav-link:hover::after, .nav-link.active::after { transform: scaleX(1); transform-origin: bottom left; }

/* Buttons */
.btn {
  display: inline-block; background: transparent; color: var(--color-primary);
```

```css
  border: 1px solid var(--color-primary); padding: 12px 24px; border-radius: var(--border-radius);
  transition: all var(--transition-speed) ease; cursor: pointer; font-family: var(--font-mono);
}
.btn:hover, .btn.active { background: hsla(168,100%,70%,0.1); transform: translateY(-3px); }
[data-theme="light"] .btn:hover, [data-theme="light"] .btn.active { background:
hsla(211,100%,50%,0.1); }

/* Sections */
.home-section { min-height: calc(100vh - 70px); display: flex; align-items: center; justify-content:
center; }
.typed-text, .typed-cursor { color: var(--color-primary); }
.content-section { padding: 80px 0; }
.content-section h2 { text-align: center; margin-bottom: 3rem; }

/* Team */
.team-member-card { background: var(--color-surface); padding: 2rem; border-radius: var(--
border-radius); text-align: center; height: 100%; transition: transform var(--transition-speed)
ease; }
.team-member-card:hover { transform: translateY(-5px); }
.team-member-photo { width: 120px; height: 120px; border-radius: 50%; object-fit: cover;
border: 3px solid var(--color-primary); margin-bottom: 1.5rem; }
.member-role { color: var(--color-primary); font-family: var(--font-mono); font-weight: 700;
margin-bottom: 1rem; }
.member-bio { font-size: .95rem; color: var(--color-text-secondary); }
.skills-list { list-style: none; padding: 0; display: flex; flex-wrap: wrap; gap: 10px; margin-top:
1.5rem; justify-content: center; }
.skills-list li { background-color: rgba(100,255,218,0.1); color: var(--color-primary); padding: 5px
12px; border-radius: 20px; font-family: var(--font-mono); font-size: .8rem; }
[data-theme="light"] .skills-list li { background-color: var(--color-bg); color: var(--color-text-
secondary); border: 1px solid var(--color-border); }

/* Projects */
.projects-grid { display: grid; grid-template-columns: repeat(auto-fit, minmax(320px, 1fr)); gap:
2rem; }
.project-card { background: var(--color-surface); border-radius: var(--border-radius); overflow:
hidden; display: flex; flex-direction: column; transition: transform var(--transition-speed) ease; }
.project-card:hover { transform: translateY(-5px); }
.project-card img { width: 100%; height: 200px; object-fit: cover; }
.project-card-content { padding: 1.5rem; flex-grow: 1; display: flex; flex-direction: column; }
.project-author { font-size: .85rem; color: var(--color-text-secondary); font-style: italic; margin-
bottom: 1rem; }

/* Contact */
.contact-form .form-control, .contact-form .form-select {
```

```css
  border: 1px solid var(--color-border); background-color: var(--color-bg); color: var(--color-text-
primary); padding: 12px;
}
.contact-form .form-control:focus, .contact-form .form-select:focus {
  background-color: var(--color-bg); color: var(--color-text-primary); border-color: var(--color-
primary);
  box-shadow: 0 0 0 3px hsla(168,100%,70%,0.2);
}
[data-theme="light"] .contact-form .form-control:focus, [data-theme="light"] .contact-form
.form-select:focus {
  box-shadow: 0 0 0 3px hsla(211,100%,50%,0.2);
}

/* Footer */
footer { background: var(--color-surface); color: var(--color-text-secondary); border-top: 1px
solid var(--color-border); }
.social-icons a { color: var(--color-text-secondary); margin: 0 12px; font-size: 1.1rem; transition:
color var(--transition-speed) ease, transform var(--transition-speed) ease; display: inline-block; }
.social-icons a:hover { color: var(--color-primary); transform: scale(1.1); }
```

JS Code:

```js
$(document).ready(function () {

  // 1. Theme toggler
  function applyTheme(theme) {
    $('html').attr('data-theme', theme);
    $('#theme-toggle').text(theme === 'dark' ? 'Light Mode' : 'Dark Mode');
    localStorage.setItem('theme', theme);
  }
  const savedTheme = localStorage.getItem('theme') || 'dark';
  applyTheme(savedTheme);
  $('#theme-toggle').on('click', function () {
    const current = $('html').attr('data-theme');
    applyTheme(current === 'dark' ? 'light' : 'dark');
  });

  // 2. Typed.js hero animation
  if ($('.typed-text').length) {
    new Typed('.typed-text', {
      strings: ['Web Applications.', 'Creative Strategies.', 'Digital Solutions.'],
      typeSpeed: 70, backSpeed: 50, loop: true, smartBackspace: true
    });
```

```
    }

    // 3. Smooth scrolling
    $('a[href^="#"]').on('click', function (e) {
      e.preventDefault();
      const target = $(this.hash);
      if (target.length) {
        $('html, body').animate({ scrollTop: target.offset().top - 69 }, 800);
      }
    });

    // 4. Portfolio filtering
    $('#project-filters .btn').on('click', function () {
      $('#project-filters .btn').removeClass('active');
      $(this).addClass('active');

      const filter = $(this).attr('data-filter');
      if (filter === '*') {
        $('.project-card').show(400);
      } else {
        $('.project-card').hide(400);
        $(filter).show(400);
      }
    });

    // 5. Scroll reveal + active nav
    const sections = $('section');
    const navLinks = $('.nav-link');

    $(window).on('scroll', function () {
      const windowHeight = $(window).height();
      const scrollPos = $(window).scrollTop();

      // Reveal
      $('.reveal').each(function () {
        const top = $(this).offset().top;
        if (top < scrollPos + windowHeight - 100) {
          $(this).addClass('visible');
        }
      });

      // Active nav
      sections.each(function () {
        const top = $(this).offset().top - 71;
```

```
      const bottom = top + $(this).outerHeight();
      if (scrollPos >= top && scrollPos <= bottom) {
        navLinks.removeClass('active');
        $('a[href="#' + $(this).attr('id') + '"]').addClass('active');
      }
    });
  });

  // Trigger on load
  $(window).trigger('scroll');
});
```

Screenshots of Result
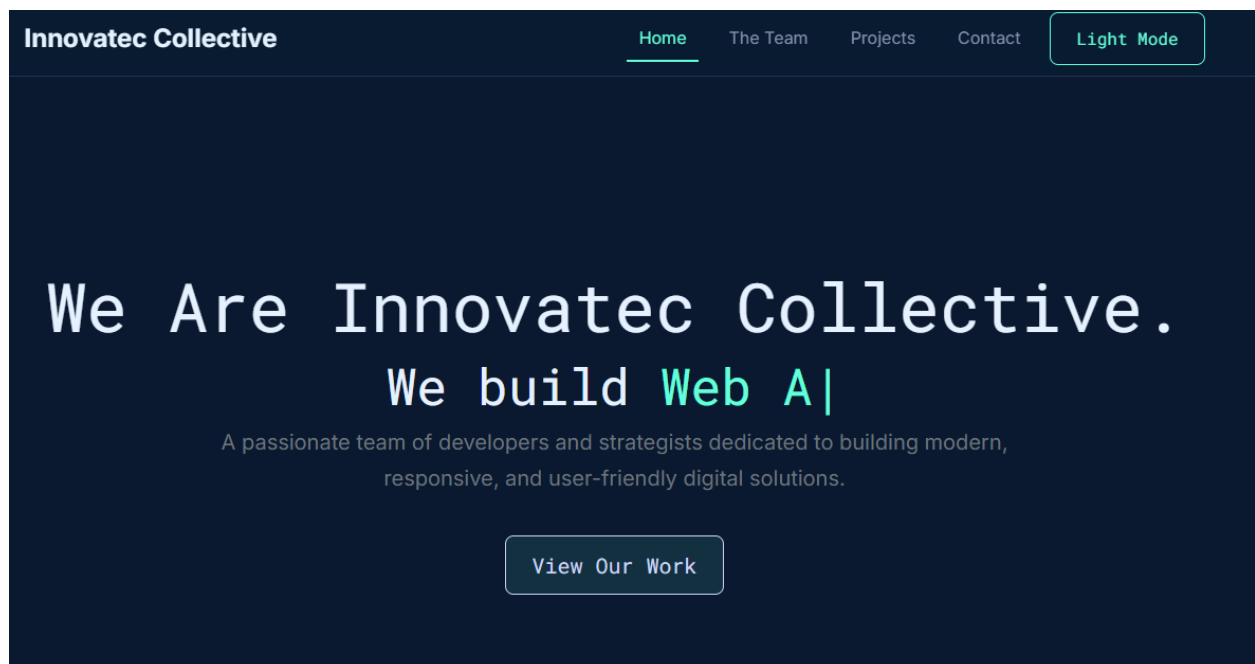
Meet the Team

Vedant Joshi
Developer & E-Sports Strategist

Vedant blends technical precision with competitive flair, bringing logic and creativity to everything he builds.

`HTML5 & CSS3`   `Python`

`Game Strategy`   `Leadership`

Samuel Biju
Programmer & Tenor Virtuoso

Samuel's logic flows like a well-designed circuit—precise, orderly, and powerful, a unique fusion of clarity and artistry.

`HTML, Python & C`

`Algorithmic Thinking`

Sreehari S.
Developer & Strategic Leader

A multidisciplinary powerhouse who builds software with precision and purpose, known for crafting razor-sharp strategies.

`C, Python & Java`   `OOPs`

`Strategic Planning`

Our Portfolio

| All | Web Development | Design |

Project One Title
A brief description of the project, its purpose, and the technologies used. Highlight key features and outcomes.

Project Two Title
This project focused on UI/UX design. Describe the design process and the tools you used (e.g., Figma, Adobe XD).

Project Three Title
A full-stack application built with the MERN stack. Explain the architecture and the problem it solves.

Final Conclusion

The Innovatec Collective portfolio project successfully delivered a **modern, responsive, and interactive website** that meets its goals of usability, accessibility, and scalability. Built with **HTML5, CSS3, Bootstrap, and JavaScript/jQuery**, and enhanced by libraries like **Typed.js**, the site adapts seamlessly across devices while offering features such as theme toggling, smooth scrolling, and project filtering.

Challenges in responsiveness, theming, and performance were addressed through CSS variables, optimized animations, and modular code. The result is a **professional showcase platform** that highlights both technical skills and creative identity. Looking ahead, the project provides a strong foundation for enhancements such as backend integration, advanced accessibility, and content management, ensuring long-term adaptability and impact.