

Assignment no 1

Submitted by:-

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Submitted To:-

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Roll number:-

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Course code:-

CS(408)

Course title:-

Advanced web development

Section:-

CS B(evening)

University of Gujrat

Project Title:-

Personal portfolio website

Purpose of the Assignment:-

The main aim of this assignment was to understand modern web development technologies and build a simple, responsive personal portfolio website using HTML5, CSS3, and JavaScript. The project helped me learn how to structure a webpage properly, apply responsive design using Tailwind CSS, and add interactivity using JavaScript.

Design and implementation Details:-

Structure and semantics:

I used proper HTML5 semantic tags like <header>, <main>, <section>, <article>, and <footer> to organize the webpage. Each section (About, Skills, Projects, and Contact) is properly divided, which improves both readability and accessibility.

Styling and layout:

For styling, I used Tailwind CSS (CDN) because it provides built-in classes for spacing, colors, and responsiveness. I also added a

small custom CSS file (style.css) for smooth transitions and hover effects. The layout is fully responsive and adjusts automatically on mobile, tablet, and desktop screens.

JavaScript Features:

The JavaScript file (script.js) adds interactivity. I implemented a dark/light mode toggle button, smooth scrolling for navigation links, and a mobile menu open/close feature. I also used local storage so that the theme preference stays saved even after refreshing the page.

Visual Design and Creativity:

I used a clean white background with navy-blue accents and added small animations on hover using CSS transitions. The portfolio includes my photo, introduction, a list of my technical skills, and three project cards with short descriptions. The contact section contains a working form UI with my name, email, and a short message.

Technologies Used:

- 1) **HTML5** (structure and semantics)
- 2) **CSS3 / Tailwind CSS** (styling and responsiveness)
- 3) **JavaScript (ES6)** (interactivity and theme management)

Learning Outcome:

Through this assignment, I learned how to combine HTML, CSS, and JavaScript to build a responsive and interactive website. It helped me understand page structure, responsive grids, event handling in JavaScript, and how to create a visually appealing UI.

Conclusion:

This portfolio project meets all the given requirements. It demonstrates modern design, responsiveness, and interactivity. The dark/light theme toggle, smooth scrolling, and clean layout make it both professional and user-friendly.

GitHub Account link:-

<https://github.com/muzamil2297/AWD-Assignment-1.git>

