

## **Assignment no 1**

### **Submitted by:-**

Sir Atif shehzad

### **Submitted To:-**

Muzamil Murtaza

### **Roll number:-**

23014119-138

### **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>

