

## **Personal Portfolio Webpage Assignment**

# **Web Development Assignment**

### **Assignment Description**

#### Objective:

Students are required to create a personal portfolio webpage that showcases their skills and projects. The page should be responsive and interactive, utilizing HTML for structure, CSS for styling, and JavaScript for interactivity.

#### Specifications:

##### 1. HTML Structure:

- A navigation menu that includes links to different sections of the page.
- A header section with a welcome message and a professional photo of the student.
- An "About Me" section with a brief biography.
- A projects section where at least three projects are displayed with images, descriptions, and links to live demos or code repositories.
- A footer with contact information and links to social media profiles.

##### 2. CSS Styling:

- Use Flexbox or Grid to create a layout that is responsive and looks good on both mobile devices and desktops.
- Customize typography, colors, and margins to create a cohesive and professional appearance.
- Implement a hover effect over project images or navigation links to enhance user interaction.

##### 3. JavaScript Interactivity:

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- Implement a "scroll to top" button that appears when the user scrolls down the page.
- Add functionality to dynamically show or hide project descriptions when the user clicks on project images.
- Create a light/dark mode toggle that allows the user to switch between a light and dark theme for the webpage.

### Tasks:

- Phase 1: Create the HTML structure and ensure all necessary information and components are included.
- Phase 2: Design the page with CSS and ensure it is responsive and visually appealing.
- Phase 3: Add JavaScript to make the page interactive and user-friendly.

### Bonus Challenges:

- Implement simple animations when the page loads or when sections become visible while scrolling.
- Add a filtering feature in the project section that allows users to sort projects by technology or date.