

# Portfolio Website Documentation

## 1. Introduction

This document describes the step-by-step development of a personal portfolio website using HTML, CSS, and JavaScript with support for responsiveness, dark mode, and animations.

## 2. Folder Structure

The project directory contains:

- index.html: The main HTML file
- portfolio.css: The stylesheet file
- script.js: JavaScript for interactivity
- /images: Folder for all image and certificate assets

## 3. HTML Structure

The HTML is structured semantically with sections: header, home, about, skills, certifications, projects, contact, and footer. It uses meta tags for responsiveness and includes external libraries like Font Awesome.

## 4. Header and Navigation

Implemented a header with a logo, navigation menu, and a day/night toggle. Navigation uses anchor links for smooth scrolling across the page.

## 5. Home Section

The home section includes a full-screen background image with overlay text, typing animation, social icons, and a downloadable resume button. This creates a strong first impression.

## 6. About Section

Displays a circular profile image and a brief personal bio with a 'Read More' button. The layout is responsive and stackable for smaller devices.

## 7. Skills Section

Features HTML, CSS, and JavaScript skills represented by linear progress bars. Each skill bar is styled with its respective theme color.

## 8. Certifications Section

Horizontally scrollable certification cards with hover effects and certificate view buttons. Cards are laid out using Flexbox for better presentation.

## **9. Projects Section**

Includes 6+ project cards with titles, descriptions, and view buttons. Cards are responsive and interactive with hover animations.

## **10. Contact Section**

Includes a form with inputs for name, email, and message. The submit button uses mailto action to send form data via email.

## **11. Footer**

Displays copyright information with quick-action buttons for calling and emailing.

## **12. Dark Mode Implementation**

Implemented using CSS variables and toggled via JavaScript. Applies dark backgrounds and light text across all components smoothly.

## **13. Responsiveness**

Media queries are added for devices like iPad Mini and Galaxy S8+. Layouts adjust accordingly to improve user experience on smaller screens.

## **14. Conclusion**

The portfolio website demonstrates responsive design, UI interactivity, dark mode, and semantic structure, suitable for showcasing web development skills.