

Portfolio Website

Project Overview

This project is a **personal portfolio website** built using **HTML5**.

The goal of the project is to present professional information—such as skills, projects, and contact details—in a clear, structured, and accessible format.

Objectives

- Create a simple, semantic, and readable web page
 - Showcase technical skills and completed projects
 - Provide an easy way for visitors to get in touch
 - Follow standard HTML best practices for structure and accessibility
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Setup Instructions

This project does not require any external dependencies or build tools.

Steps to Run the Project

1. Download or clone the repository.
2. Ensure the file structure remains unchanged.
3. Open the main HTML file (portfolio.html) in any modern web browser:
 - Google Chrome
 - Mozilla Firefox
 - Microsoft Edge

No server, package manager, or additional configuration is required.

Code Structure

The project uses a **single-file structure** for simplicity.

portfolio-website/

└─ portfolio.html # Main HTML file containing structure and content

└─ README.md # Project documentation

File Breakdown

- **portfolio.html**

- Contains all content sections:
 - Header (name and professional summary)
 - Introduction
 - Skills list
 - Projects section with external links
 - Contact form
 - Uses semantic HTML elements such as headings (h1–h3), paragraphs (p), forms, and inputs.
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Technical Details

Architecture

- Static HTML architecture
- No JavaScript or backend logic
- No CSS framework or external libraries

Key Concepts Used

- HTML semantics for clear content structure
- Client-side form structure with basic validation
- Accessibility-friendly labels and heading hierarchy

Algorithms and Data Structures

- No algorithms or data structures are used
 - The focus is on markup structure and content organization
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Testing Evidence

Since this is a static frontend project, testing is performed through **manual validation**.

Manual Test Cases

Test Case	Expected Result	Status
Page loads in browser	Content renders correctly	Passed

Test Case	Expected Result	Status
External project links	Correct GitHub pages open	Passed
Form validation	Prevents empty message submission	Passed
Cross-browser rendering	Consistent layout	Passed

Validation

- HTML follows W3C HTML5 standards
- No console errors on page load
- Tested on modern browsers