

Ayush Miharia

Personal Home page

Project 1: CS 5610 - Web Development

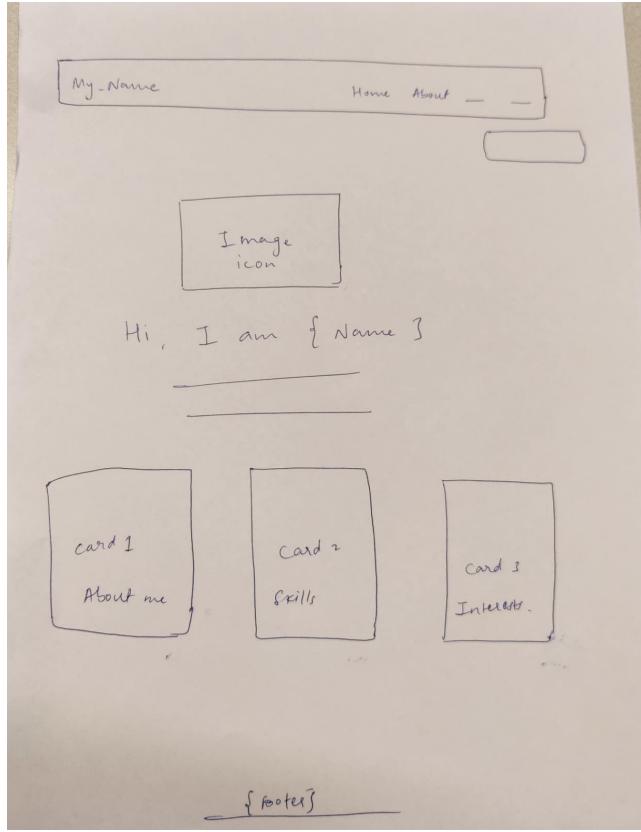
Project Description

- **Responsive portfolio website** with dark theme and aquamarine accents built with vanilla HTML, CSS, and JavaScript.
- **Showcases professional journey** - work experience, projects, and technical skills for recruiters and collaborators
- **Central hub for connections** - GitHub, LinkedIn, Email links with engaging interactive features

Objectives

- To demonstrate proficiency in core web technologies (HTML5, CSS3, vanilla JavaScript ES6+)
- To implement a creative feature - Time-Based Theme System with Interactive Flip Cards
- To create an organized, modular codebase without using any external libraries or jQuery

Design and Mockups



Technologies Used

VS Code - IDE

HTML5, CSS3, JavaScript ES6+ - Core web technologies

CSS Grid & Flexbox - Responsive layouts

Intersection Observer API - Scroll animations

Prettier - Code formatting

Gemini - One AI page

What I'm Proud Of

Time-Based Theme System - A creative feature that automatically changes the entire site's color scheme based on the actual time of day (Morning: purple, Afternoon: pink, Evening: blue, Night: dark)

Interactive Flip Cards - 3D CSS transforms create an engaging hover effect that reveals detailed information on the back of each card

Scroll Animations - Smooth fade-in effects using the Intersection Observer API as users scroll through content

Challenges I Faced

Time-Based Theme Implementation - Synchronizing CSS transitions with JavaScript time detection while maintaining smooth visual transitions across all elements

Flip Card 3D Transforms - Managing CSS perspective, backface-visibility, and transform-style properties to create smooth, cross-browser compatible card flips

Responsive Design - Ensuring flip cards and grid layouts work seamlessly across different screen sizes without breaking the 3D effects

Links

Demo link:

<https://drive.google.com/drive/folders/1dmwEmtzyBvh1IM2YCIISrgwEg8hYVA7hK?usp=sharing>

Website link: <https://ayushmiharia.github.io/Project-1-WebDev/>

GitHub repository link: <https://github.com/AyushMiharia/Project-1-WebDev>

Design Document link:

https://docs.google.com/presentation/d/1VSOHTmqjQ8aTO1u7Nulc2Eh8DGd3E25gsXbX_4ATFK4/edit?usp=sharing

Next Steps

Add a contact form with email integration

Screenshots



The screenshot shows three cards in a grid. The first card on the left has a person icon and the title "Who Am I?". Below it is the text "Hover to learn more". The second card in the middle has a rocket icon and the title "My Skills". Below it is the text "Technical Expertise". The third card on the right has a lightbulb icon and the title "My Projects". Below it is the text "What I've Built".