

Personal Portfolio Website (v2)

Project Details

Project Title: Personal Portfolio Website v2

Developer: Aryan Sengar

Technology Stack: HTML, CSS, JavaScript

Repository: <https://github.com/aryansengar007/my-portfolio-v2>

Deployed On: Netlify (URL : <https://aryan-sengar-portfolio-v2.netlify.app/>)

Introduction

This project is a second version of my personal portfolio website, built to showcase my projects, skills, certifications, courses, education, and experiences in a clean, responsive, and interactive layout. The portfolio serves as a digital representation of my academic and professional journey, designed with a focus on user experience, animation, and modern UI components.

Problem Statement

To create a professional, responsive, and visually appealing portfolio website using only frontend technologies that:

- Reflects my skills, certifications, and project experience
- Works seamlessly across all devices and screen sizes
- Provides a clean navigation experience
- Can be deployed on platforms like GitHub Pages and Netlify

Key Observations

- Users tend to spend more time on portfolios with clean animations and readable layouts.
- Including certifications and live demo links improves credibility.
- Sticky navigation and a visible call-to-action section improves user engagement.

Challenges / Doubts

- Implementing `particles.js` with custom behavior took experimentation to avoid page reload glitches.
- Ensuring all sections were fully responsive, especially the skills and courses grids.
- Compatibility with multiple browsers without relying on frameworks.
- Animations (e.g. tilt effects) required tuning for both performance and aesthetics.

Libraries Used

- particles.js – for animated background particles in the hero section.
- AOS.js – Animate On Scroll for section entrance effects.
- Vanilla Tilt.js – for tilt hover effects on cards and buttons.
- Devicon – for icons.
- Google Fonts – for consistent typography using “Poppins”.

Functions Explained

All custom JavaScript is contained in script.js. Key functions:

- DOMContentLoaded event listener initializes the entire script.
- preloader fade-out effect on page load.
- sticky navbar activation based on scroll.
- Smooth scrolling to anchor links.
- Back to Top button visibility and functionality.
- particlesJS() initialization for animated background.

Main Components

- Hero Section: Name, tagline, social links, and background animation.
- About Section: Personal introduction, hobbies, and resume download.
- Skills Section: Grouped skill categories with icons.
- Courses Section: University coursework displayed in a card layout.
- Projects Section: Featured projects with descriptions, tech stack, and GitHub links.
- Certifications Section: Display of major certifications with credential links.
- Experience/Education: Timeline-based visual representation.
- Contact Form: Static layout with submission placeholders.

Future Improvements

- Add a functional contact form using Formspree or Firebase.
- Convert the site to a React + Vite version for better modularity.
- Implement dark/light theme toggle.
- Add project filtering functionality.
- Use a CMS or JSON for easier updates to courses and certifications.

Conclusion

This version of my personal portfolio highlights my growth in frontend development and UI design. It reflects not only technical skills but also design sensibility and content structuring. With interactive effects, responsive layouts, and a professional tone, the site serves as a central hub for my academic and project accomplishments.

The project is actively maintained and will continue to evolve as I gain more experience.