

My portfolio report:

Introduction:

This portfolio project serves as a personal website showcasing my skills, experiences, and projects as a second-year Computer Science student. The goal was to create a **modern, responsive, and interactive** portfolio using **HTML, CSS, and JavaScript**. The website is structured as a **Single Page Application (SPA)** to ensure smooth navigation and fast performance.

Design and Layout:

The design of the portfolio follows a structured layout using:

- **Flexbox and Grid Layouts:** Used for a structured and responsive design.
- **Navigation Bar:** A sticky header with dynamic highlighting of active links.
- **Color Scheme and Typography:** A professional yet modern color scheme for readability and aesthetics.
- **Sections:** Home, About, Skills, Projects, and Contact, each with distinct styling for clarity.
- **Mobile Responsiveness:** CSS media queries ensure the website adapts to different screen sizes.

Features:

The portfolio includes the following features:

- **Responsive Design:** The website dynamically adjusts to different screen sizes.
- **Navigation Menu Toggle:** A mobile-friendly menu icon appears on smaller screens.
- **Scroll-Activated Navigation:** JavaScript dynamically updates active navigation links based on scroll position.
- **Skill Progress Bars:** Circular progress indicators dynamically display skill proficiency.
- **Contact Form:** A functional form where users can submit their details.
- **Animations and Effects:**
 - Hover effects on skill elements to display progress percentage.
 - Smooth scrolling between sections.
 - A blur effect on non-hovered skill elements to improve focus.
 - Cursor customization for a unique interactive experience.

Conclusion:

Building this portfolio helped me improve my skills in **HTML, CSS, JavaScript, and responsive design**. Throughout the development process, I learned how to troubleshoot layout issues, enhance interactivity, and optimize performance. Moving forward, I plan to integrate

advanced features like a **backend for form handling** and **dynamic project showcases**. This portfolio is a strong foundation for showcasing my growth as a developer and my future projects.