

Portfolio Website - Documentation

1. Project Overview

This project is a **personal portfolio website** built using **HTML and CSS**. It showcases the developer's **skills, experience, services offering, certifications, projects, and contact information** in a visually appealing and interactive format. The website includes a **dark/light theme toggle**, and a responsive design for an optimal user experience on different devices.

2. Technologies Used

- **HTML**: Structure and semantic elements.
 - **CSS**: Styling, layout, responsiveness, animations.
 - **Google Fonts/Futura**: Custom typography.
 - **Font Awesome**: Icons for social media and design elements.
 - **CSS Variables & Media Queries**: Theme toggle and responsiveness.
 - **CSS Grid & Flexbox**: Used for advanced layout structuring.
 - **Hover Effects & Transitions**: Implemented for smooth UI interactions.
 - **Animations**: Enhancing engagement with motion effects.
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3. File Structure

```
/portfolio-  
| — /assets          # Profile- Images, logos, icons, and resume file  
| — /certificates     # certificate-card-images  
| — /projects         # project images  
| — index.html        # Main HTML file containing website structure  
| — style.css         # CSS file for styling and responsiveness  
| — README.md         # Project instructions (if applicable)
```

4. Website Sections

4.1 Header & Navigation

- Responsive header contains a **logo** and **navigation links with hover effects**
- **Menu toggle** for mobile devices with transitions
- **Theme toggle** (light/dark mode) implemented using CSS variables, input checkbox .
- Included a logo with both dark and light themes.

- Navigation menu with smooth scroll functionality.

4.2 Home Section

- Displayed **name and intro tagline**.
- Included **profile image** with floating animations.
- Used grid and media queries features for
- Contains **social media icons** linking to GitHub, LinkedIn, Twitter, and Instagram.
- A **Download Resume** button for direct download with hover effects.

4.3 About Section

- Describes the **professional background and experience**.
- Displays **profile image with hover effects** and a '**Read More**' button to toggle more information.

4.4 Skills Section

- Display **technical skills** (HTML, CSS, JavaScript, React, Node.js, MongoDB, etc.).
Svgs icons of skill with hover effects, transitions
- Used **progress bars** to visually represent proficiency.

4.5 Services Section

- Clearly defined service offerings, such as frontend, backend and fullstack
- Interactive service cards with hover effects.
- A structured grid layout for readability and accessibility.

4.6 Certifications Section

- Displayed **7 certification interactive cards with hover effects**
- Each certification has a **button to view the certificate with gdrive link** (without JavaScript event listeners).

4.7 Projects Section

- Displayed **10 projects in an interactive card format**.
- Each card contains **project details** and link to view project;

4.7 Contact Section

- Designed a form with input fields for name, email, and message.
- Included a Submit button.

4.8 Footer

- Used semantic header tag.
 - Displayed **email and call buttons, go-top button, social-icons**
 - Implements **hover effects** for interactivity.
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5. Styling & Responsive Design

- **Dark/Light Mode Toggle**: Used CSS variables to switch between themes.
 - **Hover Effects & Transitions**: Enhances interactivity.
 - **CSS Grid & Flexbox**: Used for structured and responsive layouts.
 - **Animations/Transitions** : Applied to buttons, images, and cards
 - **Media Queries**: Ensures compatibility with:
 - **Desktop/Laptop**
 - **iPad Mini**
 - **Samsung Galaxy S8+**
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6. Key Features & Implementations

- **Semantic HTML** for better accessibility and SEO.
 - **CSS Grid & Flexbox** for layout structuring.
 - **Font Awesome Icons** for design enhancements.
 - **Google Fonts/custom fonts** for typography.
 - **Progress bars** for skill representation.
 - **Certification buttons** without JavaScript event listeners.
 - **Smooth Hover Effects & Transitions** for better UI interaction.
 - **Animations** to enhance user experience and engagement.
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7. Design Choices

Color Palette

- **Dark Mode**: Deep blue and black tones for modern aesthetics.
- **Light Mode**: Soft whites and pastel blues for a clean interface.

Font Selection

- **Primary Font:** “Afacad Flux” for all elements.
 - **Secondary Font:** Poppins (for heading).
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8. Challenges Faced & Solutions

1. Theme Toggle Functionality

- **Challenge:** Ensuring a smooth transition between themes without JavaScript.
 - **Solution:** Used the `:has()` pseudo-selector and CSS variables to manage dynamic styling.
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9. Live Link

- **Live link:** <https://sravan-dev.netlify.app>
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10. Conclusion

This project effectively demonstrates HTML and CSS proficiency through a well-structured designed portfolio. The inclusion of a dark/light theme toggle, animations, CSS Grid & Flexbox layouts, hover effects, transitions, and responsive design enhances user engagement and accessibility.