SIVA MAHALINGAM

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Summary

Electronics and Communications Engineering student with a growing focus on web development using the MERN stack. I have hands-on experience with basic projects such as user authentication systems using MongoDB, Express.js, React, and Node.js. Passionate about expanding my knowledge and building more full-stack web applications, I emphasize clean, responsive user interfaces. I am eager to improve and contribute to innovative web solutions through continuous learning and practical application.

Education

Thanthai Periyar Government Institute of Technology   2021 – 2025
Bachelor of Engineering in Electronics and Communication (CGPA: 7.5 / 10)   *Vellore, TamilNadu*

Govt. Hr. Sec. School, Palayakkottai   2020 – 2021
HSC BioMaths (Percentage: 87.17 / 100)   *Thiruvarur, TamilNadu*

Govt. Hr. Sec. School, Palayakkottai   2019 – 2020
SSLC (Percentage: 84.60 / 100)   *Thiruvarur, TamilNadu*

Experience

Embedded Systems Internship   July 2024 – August 2024
Vaayusastra Aerospace   *Chennai, India*
- Developed and integrated sensors and actuators into embedded systems for real-time data acquisition.
- Implemented RF transmitter and receiver modules to enable efficient wireless communication between devices.
- Designed and built an air quality monitoring system with OLED display, integrated with Arduino Cloud for live data visualization.

Projects

YouTube Clone | *React.js, REST API, React Router DOM*
- Built a YouTube-style video platform using React.js where users can browse, filter, and watch videos easily.
- Used a public API to fetch real-time video data and organized it into categories for better user experience.
- Set up dynamic page navigation with React Router DOM and added a recommendations section.

Staybnb Travel Website | *HTML, CSS, JavaScript*
- Designed a travel booking site inspired by Airbnb with a responsive layout and clean UI.
- Focused on mobile-first design to ensure smooth experience on all screen sizes.

Weather App | *HTML, CSS, JavaScript, Weather API*
- Created a weather app that shows real-time weather updates based on city input.
- Integrated a weather API and built a responsive interface for a smooth user experience.

To-Do List App | *HTML, CSS, JavaScript*
- Developed a simple yet functional to-do list app to add, view, and remove tasks easily.
- Used basic DOM manipulation for real-time updates and smooth interactions.

Image Search Engine | *HTML, CSS, JavaScript, Pexels API*
- Built an image search engine that fetches photos from Pexels API based on user input.
- Users can preview and download images in a clean, responsive gallery layout.

Technical Skills

Languages: HTML, CSS, JavaScript
Frameworks & Libraries: React.js, Tailwind CSS, Node.js, Express.js, Mongoose
Database: MongoDB
Tools & Technologies: Git, Arduino, REST APIs

Certifications

React Hooks Crash Course   *October 2024*
Issued by: *Avinash Kumar from GreatStack*

FrontEnd Development - CSS   *September 2023*
Issued by: *Great Learning Academy*

FrontEnd Development - HTML   *July 2023*
Issued by: *Great Learning Academy*