

# MUTHUPANDI M

## SOFTWARE DEVELOPER

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Motivated and detail-oriented Full Stack Developer with hands-on experience in building responsive and scalable web applications using HTML, CSS, JavaScript, React.js, Node.js, Express.js, and MongoDB. Skilled in integrating both front-end and back-end systems, with additional expertise in tools like Tailwind CSS, Bootstrap, Postman, and GitHub. Proficient in maintaining code quality through Jest and Cypress testing, and leveraging SonarCloud for continuous code analysis. Seeking a Full Stack Developer role to contribute practical skills in building high-performance, reliable applications that meet user and business expectations.

## EDUCATION

### FULL STACK DEVELOPMENT

Zhahi Tech Training, Theni. March 2024 - Sept 2024

### B.E - ELECTRONIC AND COMMUNICATION ENGINEERING

J.K.K Munirajah college of technology, Erode. 2019 - 2023

## RELEVANT SKILLS

**Front-End** - HTML, CSS, JavaScript, React JS, Bootstrap, Tailwind CSS

**Back-End** - Express JS, Node.js, MongoDB

**Testing & Quality** - Jest, Cypress, SonarCloud, Snyk

**Tools & Platforms** - Postman, GitHub

## EXPERIENCE

### SOFTWARE DEVELOPMENT INTERN → SOFTWARE DEVELOPER

#### Vinsights Solution · Project: AISAX

##### Software Development Intern (Nov 2024 - Jan 2025)

- Developed dynamic and responsive UI components using React.js and Tailwind CSS, handling API integration, environment setup, and middleware connectivity.
- Implemented custom hooks, managed application state using Recoil, and organized scalable front-end architecture for maintainability.
- Wrote frontend unit tests using Jest and Cypress, ensuring component stability and user flow coverage.
- Ensured code quality with SonarCloud and security checks with Snyk.

##### Software Developer (Full-time) (Feb 2025 - Present)

- Built and optimized full-stack features with React.js, Node.js, Express.js, and MongoDB.
- Enhanced application performance and optimized database queries for scalability.
- Expanded test coverage, collaborated with QA, and improved release stability.
- Set up and maintained CI/CD pipelines using GitHub Actions, automating testing and code analysis as part of DevOps best practices.
- Supported AI-side development, focusing on data flow and integrating basic model interaction features.

## PROJECTS

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### START-UP BUSINESS WEBSITE USING HTML,CSS

- Replicated a responsive site using HTML and CSS for a start-up. Emphasized professional design and user-friendly navigation.

### PERSONAL PORTFOLIO WEBSITE USING REACT

- Developed a portfolio website using React to showcase personal projects and skills. Implemented dynamic features and a responsive design for enhanced user experience

### E-COMMERCE JEWELLERY WEBSITE ADMIN PANEL USING TAILWIND CSS

- Developed a full-featured e-commerce platform with React.js, Node.js, Express.js, and MongoDB styled with Tailwind CSS for responsive design. Built an admin panel for product management and order processing, and integrated APIs for adding, updating products, and managing user orders.

## CERTIFICATION & TRAININGS

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- Software Development Internship – Vinsights Solution (Nov 2024 – Jan 2025)
- Software Developer – Vinsights Solution (Feb 2025 – Present)
- Full Stack Development Course Sep (2024)
- Completed Internship Training on Embedded Systems Aug (2024)
- AI-Driven ChatGPT Training by Microsoft Mar (2023)
- IBM Project on Gas Leakage Monitoring and Alerting System Mar (2023)