

# MUTHUPANDI M

## FULL STACK DEVELOPER (MERN)

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Junior Full Stack Developer (MERN) with 1+ year of hands-on industry experience in designing, developing, and maintaining scalable web applications. Strong proficiency in React.js, Node.js, Express.js, and MongoDB, along with experience in testing using Jest and Cypress and implementing CI/CD pipelines with GitHub Actions. Passionate about building high-performance, reliable applications, developing RESTful APIs, and seamlessly integrating frontend and backend systems. Known for collaborating effectively within teams, adhering to best coding practices, and delivering stable features in fast-paced development environments.

## EDUCATION

### FULL STACK DEVELOPEMENT

Zhahi Tech Traning,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, WordPress

## EXPERIENCE

### SOFTWARE DEVELOPER - VINSIGHTS SOLUTION

#### Feb 2025 - Present

- Built and optimized full-stack features using React.js, Node.js, Express.js, and MongoDB.
- Enhanced application performance and optimized database queries for better scalability
- Expanded frontend and backend test coverage using Jest and Cypress, improving release stability.
- Set up and maintained CI/CD pipelines using GitHub Actions, automating testing and code analysis.
- Supported AI-side development by improving data flow and integrating basic model interaction features.
- Collaborated with QA and development teams to deliver stable, production-ready features.

### SOFTWARE DEVELOPMENT INTERN - VINSIGHTS SOLUTION

#### Nov 2024 - Jan 2025

- Developed dynamic and responsive UI components using React.js and Tailwind CSS.
- Integrated frontend components with backend APIs and middleware services.
- Implemented custom hooks and managed application state using Recoil for better maintainability.
- Wrote frontend unit tests using Jest and Cypress, ensuring component stability and user flow coverage.
- Ensured code quality using SonarCloud and performed security checks with Snyk.

## PROJECTS

### E-COMMERCE JEWELLERY WEBSITE – ADMIN PANEL (MERN STACK)

**GitHub-Link:** <https://github.com/pandianprakash/E-commerce-Frontend>

- Built a full-stack admin panel with CRUD operations for products and orders using MERN stack.
- Designed a responsive UI with Tailwind CSS for easy management across devices.

### PERSONAL PORTFOLIO WEBSITE (HTML, CSS, JAVASCRIPT)

**GitHub-Link:** <https://github.com/pandianprakash/Personal-Portfolio>

- Built a responsive personal portfolio using HTML, CSS, and JavaScript to showcase projects, skills, and experience
- Implemented interactive features and smooth UI behavior to improve user experience.

### Task Management Application – Task-IO (Vite + React (TSX), Node.js, MongoDB)

**GitHub-Link:** [https://github.com/pandianprakash/Task\\_Management](https://github.com/pandianprakash/Task_Management)

- Implemented a full-stack task management system with task creation, assignment, and status tracking (Pending / Completed) to improve team workflow and productivity.
- Built real-time chat functionality using Socket.IO and Redis to enable instant communication and collaboration between team members.

### Organic Delights – Business Website (HTML, CSS)

**GitHub-Link:** <https://github.com/pandianprakash/Organic-Delights>

- Developed a responsive business website for Organic Delights with a professional UI and simple, user-friendly navigation.
- Focused on clean layout, accessibility, and consistent design to enhance user experience across all devices.

## CERTIFICATION & TRAININGS

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|---|------------|
| • 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) |