

# Manikandan B

Full Stack Developer

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## PROFESSIONAL SUMMARY

Full Stack MERN Developer with **2+ years of experience** building scalable web applications using **React, Next.js, Node.js, FastAPI, and MongoDB**. Strong in frontend performance, API integrations, payments, and SaaS product development. Experienced in startup environments and focused on delivering clean, maintainable, user-centric solutions.

## TECHNICAL SKILLS

**Language:** Javascript, Typescript, Python, Java (Basic)

**Frontend:** HTML5, CSS3, JavaScript (DOM), React.js, Next.js, React Hook Form, TanStack Query, Bootstrap, Tailwind CSS, Angular (Basic), Vue (Basic)

**Backend:** Node.js (Express), FastAPI, Flask, REST APIs, Springboot (Basic)

**Database:** MongoDB, MongoDB Aggregation, PostgreSQL, MariaDb

**Tools & Others:** Git, Firebase, Chrome Extension Development, AWS (Basics), Linux, AI/ML (Basic)

## PROFESSIONAL EXPERIENCE

### Full Stack Developer

*i2Global Virtual Learning*

*Apr 2025 – Dec 2025*

*Chennai, India*

- **Integrated Razorpay payment gateway** and **Google Maps API** to display route and distance details, helping **simplify billing and reduce manual calculation efforts by 30%**.
- **Engineered** secure and scalable backend services using **FastAPI**.
- **Deployed** full-stack features using **React, Next.js, FastAPI, and MongoDB**, boosting workflow efficiency by **25%** and enhancing application performance.

### Product Engineer

*Siara Tech Solutions (INOT AEC)*

*Apr 2024 – Mar 2025*

*Chennai, India*

- **Architected** AEC SaaS modules (Procurement, Asset, Invoicing) using **TypeScript, TypeORM, React.js, and AWS**.
- **Created** a Chrome Extension to import product data directly into the SaaS platform, **cutting manual data entry by ~35%** and saving **8–10 hours per week** for end users.

### Web Application Developer Trainee

*Novalnet e-solutions Pvt. Ltd.*

*Aug 2023 – Dec 2023*

*Chennai, India*

- **Built** dynamic web features using **Node.js, MySQL, and jQuery**, optimizing page response time by **~15%** and enhancing user interaction.
- **Optimized** backend APIs and reusable UI components, reducing feature development time by **~20%** and improving code maintainability.

### Graduate Engineer Trainee

*HCL Technologies*

*Jul 2022 – Jul 2023*

*Chennai, India*

- **Completed** hands-on training in **HTML5, CSS3, JavaScript (DOM), and React.js**, building responsive UI components through structured practice projects.

## PROFESSIONAL LINKS

- Portfolio: <https://portfolio.nameismani.com>
- Personal Assistant: <https://personal-assistant-sigma-ashen.vercel.app>

# KEY PROJECTS

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## TestPrep – E-Learning Platform

- Built course purchases, live/recorded sessions, subscriptions, and real-time chat.
- **Tech:** React, Next.js, FastAPI, MongoDB, Razorpay

## School Transport Management App

- Developed route mapping, KM-based distance calculation, and cost estimation.
- **Tech:** React, Google Maps API, FastAPI

# EDUCATION

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**BE – Mechanical Engineering**, Panimalar Engineering College, Chennai — **2022**

# INTERESTS

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- Learning new technologies
- Solving challenging problems
- Building real-world products end to end