

MANI S

Full Stack Developer

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SUMMARY

Full Stack Developer with hands-on experience building scalable, real-world web products using React, TypeScript, Node.js, Express, and MongoDB. Strong foundation in problem-solving, data structures, and clean code practices. Experienced in designing end-to-end features including authentication, role-based access, payments, and notifications, following SOLID principles and Atomic Design. Curious, self-driven, and passionate about deep-diving into complex codebases to build reliable, high-impact products.

EDUCATION

Bachelor of Engineering in Computer Science and Engineering, IFET College of Engineering (GPA: 8.2) Nov '22 — 2026

High School in HSC, Government Higher Secondary School (GPA: 81.5%) Jun '21 — Apr '22

SKILLS

Frontend : HTML5, CSS3, Bootstrap5, Javascript, React.js, Next.js, TypeScript, Tailwind CSS

Backend : Node.JS, Express.js, RESTful API, JWT Authentication

Database : MySQL, MongoDB (NoSQL)

Programming Languages : Core Java, Python

Architecture & Tools : Atomic Design, SOLID Principles, Agile, Git, Postman

PROJECTS

HealPrime – Doctor-Patient Appointment & Management Platform Jul '25 — Aug '25

- Owned the design and development of an end-to-end healthcare product handling authentication, role-based access, payments, and notifications.
- Made architectural decisions using SOLID principles and Atomic Design to ensure scalability and maintainability.
- Integrated Razorpay and email workflows to automate appointment confirmations and online consultations, improving operational efficiency by ~40%.
- Implemented robust state management and schema validation to ensure reliable data flow across the application.

Cafeteria Management System | React, JavaScript, Tailwind CSS, Node.js Mar '25 — Apr '25

- Built a web-based canteen management system that allows students and staff to **pre-order food online**, reducing queues and eliminating manual token collection.
- Developed **RESTful APIs using Node.js and Express** to securely manage orders, user information, and payment records.
- Implemented **online payment and order confirmation**, enabling a fast and cashless food ordering experience for students and staff.

INTERNSHIP

Junior Web Developer Intern Sep '25 — Nov '25

Avenstek Solutions Private Limited Chennai, India

- Developed the **Admin Module** for a Digital Business Card platform, managing users, card templates, and subscription plans through secure REST APIs.
- Implemented **JWT-based authentication and role-based access control (RBAC)** to restrict admin actions for `staff_admin` and `super_admin` roles.
- Built full **CRUD operations with soft delete, restore, and hard delete functionality**, ensuring safe and controlled data lifecycle management.
- Applied **SOLID principles** in Node.js and Express to write clean, modular, and extensible backend code, improving scalability and maintainability.

CERTIFICATIONS & ACHIEVEMENTS

Introduction To Networks, CISCO Networking Academy Jul '24

LeetCode: 100+ Problems Solved

Winner, IFET Logic League, IFET College of Engineering Nov '24