

# SANTHOSH KUMAR

## MERN STACK DEVELOPER

7200112651

[santhosh06092000@gmail.com](mailto:santhosh06092000@gmail.com)

Tirupur, India.

<https://www.linkedin.com/in/santhosh-kumar-39517a181/>

## PROFESSIONAL OVERVIEW

**MERN Stack Developer** with 2 years of experience designing and developing scalable web applications using **MongoDB**, **Express.js**, **React.js**, and **Node.js**. Proficient in **JavaScript**, **TypeScript**, **RESTful APIs**, **state management**, **SASS**, and **UI/UX optimization**. Experienced in integrating third-party services such as **OpenAI API** and **Stripe Payments**. Skilled in performance optimization, developing reusable components, and seamless API integration. Strong problem-solving abilities with a focus on enhancing web application efficiency and delivering exceptional user experiences.

## WORK EXPERIENCE

### Software Engineer

Aagnia Technologies, Coimbatore | Jan 2023 - Mar 2025

### Projects & Contributions

IoT 3sixty - MES, WMS

- Engineered user interfaces for Manufacturing Execution and Warehouse Management Systems, improving operational efficiency.
- Implemented real-time data filtering using Redis, increasing processing speed by 40% and managing 100+ data points per second.
- Created a custom SASS-based theme dynamically sourced from backend APIs, enhancing UI consistency

Everest Tutoring - Online Exam & Courses

- Built an AI-powered chat component using OpenAI API, increasing student engagement by 30%.
- Merged Stripe Payment Gateway for secure transactions, reducing payment errors by 25%.
- Improved user experience with a responsive and interactive interface.

Navami Landmark - Apartment Handover & Registration Booking

- Designed a slot booking system reducing customer wait times.
- Built a mobile-responsive interface, leading to increased usage.
- Produced reusable UI components, improving project completion time by 60%

Active - RFID-based Asset Tracking

- Constructed an RFID-based asset-tracking solution for hardware monitoring.
- Created efficient reusable components, reducing project development time by 70%

OneForSport - Comic Book Sales (Shopify-based)

- Built a dynamic book creation system, enabling template content updates and reducing manual effort by 90%.
- Blended Shopify API for seamless e-commerce functionality.

Al Babtain - Vehicle Management System (VMS)

- Developed an RFID-based vehicle tracking system for car services, improving tracking accuracy by 90%.
- Incorporated ANPR (Automatic Number Plate Recognition) for vehicle identification.

## EDUCATION

### Bachelor of science, Mathes

PSG College of Arts and Science

May 2017 – May 2020

## SKILLS

- Programming Languages:** JavaScript (ES6+), TypeScript, Python (Basics)
- Web Technologies:** HTML5, CSS3, SASS
- Frameworks & Libraries:** React.js, Redux-Saga, MUI, Axios, React-Router, React Query, Vite, Webpack
- Backend:** Node.js, Express.js, FastAPI, Swagger (OpenAPI)
- Forms & Validation:** React Hook Form, Formik, Zod, Yup
- Databases & Tools:** MongoDB, PostgreSQL, Redis, Git, GitHub, GitLab, VS Code
- Real-Time Communication:** WebSocket, MQTT
- Testing & CI/CD:** Jest, Vitest, CI/CD
- Third-Party Services:** OpenAI API, Stripe Payments, Echarts
- State Management:** Redux, Context API