

CHANDRA HASA REDDY

MERN Stack Developer

Bengaluru, India | +91 9704718538 | chandrasahareddy65@gmail.com | [GitHub](#) | [Portfolio](#)

SUMMARY

MERN Stack Developer with hands-on experience building scalable REST APIs, secure authentication systems, and responsive web applications using MongoDB, Express.js, React, and Node.js. Skilled in relational and NoSQL database design, JWT-based auth, and performance optimization, with a track record of shipping full-stack products end to end — from real-time chat apps to AI-integrated finance tools.

TECHNICAL SKILLS

Frontend: React.js, Next.js, TypeScript, JavaScript, HTML5, CSS3, Tailwind CSS, Responsive UI Design

Backend: Node.js, Express.js, REST API Design, JWT Authentication, Role-Based Access Control, Socket.IO, Middleware & Request Validation

Databases: MongoDB, PostgreSQL, MySQL, Firebase/Firestore, Supabase, SQL Query Optimization, Schema Design

Tools & Practices: Git/GitHub, MVC Architecture, API Integration, Postman, Vercel/Netlify, Error Handling & Debugging

Additional (Optional Skill): AI Workflow Automation with n8n (building AI agents that let non-developers turn ideas into working automations without needing a dev team)

WORK EXPERIENCE

Full Stack Developer — Mantravat Infotech

2025 – Present

- Designed and developed scalable REST APIs using Node.js and Express, serving as the backbone for production features.
- Implemented JWT-based authentication and role-based authorization to secure application endpoints.
- Designed relational schemas in PostgreSQL with optimized indexing, reducing API response time by ~20–25%.
- Built responsive, reusable frontend interfaces using React and TypeScript.
- Implemented middleware-based request validation and centralized error handling to improve reliability.

Full Stack Developer (Intern) — Node8 Innovations

2024 – 2025

- Designed and managed Firestore database schemas with structured collections/sub-collections to support scalable data growth.
- Implemented secure authentication workflows using Firebase Authentication and role-based access control.
- Developed backend business logic for user data validation, CRUD operations, and real-time synchronization.
- Optimized database read/write operations, reducing latency and improving application responsiveness.
- Integrated backend services with frontend applications, ensuring seamless end-to-end API communication.

PROJECTS

Haunted AI — Real-Time AI Chatbot | React, TypeScript, Node.js, Express, Socket.IO, MongoDB, OpenAI API

- Built a full MERN-stack real-time chatbot with WebSocket-based messaging via Socket.IO for instant delivery.
- Integrated OpenAI's GPT-3.5 to power a dynamic, evolving conversational personality.
- Designed MongoDB schemas (Mongoose) to persist chat history and restore sessions across visits.
- Implemented a Node.js/Express backend with clustering (PM2) and Nginx reverse-proxy load balancing for scalability.

FinSight AI — Personal Finance Manager with ML Predictions | Next.js, TypeScript, Supabase (PostgreSQL), Python, Flask, Scikit-learn

- Built a full-stack finance tracker with income/expense tracking, budgets, savings goals, and PDF/CSV report exports.
- Designed a PostgreSQL schema in Supabase with Row Level Security for secure, per-user data isolation.
- Built a Python Flask microservice with a Scikit-learn linear regression model to forecast future spending (>80% accuracy).
- Implemented real-time budget alerts and interactive data visualizations using Recharts.

ADDITIONAL / OPTIONAL SKILL — AI AUTOMATION AGENTS (N8N)

Building and open-sourcing production-style n8n workflows that turn plain-language ideas into working AI agents — helping non-technical users automate tasks without depending on a developer. [Repo](#) | [Platform](#)

- Shipped 10+ reusable workflows: AI cold-email personalization, resume-based job matching, Instagram lead qualification, multilingual support bot, meeting-notes-to-action-items, and more.
- Combined n8n with OpenAI, Gmail, Google Sheets, and webhook triggers to build end-to-end automations without custom backend code.

EDUCATION

Bachelor of Engineering — Electronics and Communication Engineering

2021 – 2025 | GPA: 8.4 / 10