

# Phani Manda

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## Summary

Results-oriented 3rd-year Computer Science student with strong problem-solving skills and a command of Backend Development (Node.js, Express.js) and Full Stack Development. Proven experience in Software Architecture and building end-to-end Web Development projects from design to deployment. Quickly adapts to new technologies and maintains composure in high-pressure environments. Eager to secure a software development internship to deliver high-quality code and scalable solutions.

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## Skills

- Programming Languages : C++, Python, JavaScript, TypeScript
  - Frontend : HTML,CSS, ReactJs, Zustand, NextJs, TailwindCSS, Shadcn
  - Backend : ExpressJs, NodeJs, FastApi
  - DataBase : SQL (MySQL), NoSQL (MongoDB, Mongoose)
  - Tools : Version Control (Git), Github Actions, Vercel, firebase, postman
  - Concepts: REST APIs, Software Design, UI/UX
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## Education

CMR College of Engineering and Technology

June 2023 – Present

- Bachelor of Technology in Computer Science and Engineering.
    - **Relevant Course Work:** Data Structures & Algorithms, Computer Networks, Database Management System, Operating Systems, Object-Oriented Programming (OOP)
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## Projects

**Resumo - keyword optimization** | [Link](#) | [GitHub](#)

**Tech Stack:** React, TypeScript, Node.js, Express, PostgreSQL, Prisma ORM, Groq API, Tailwind CSS, Clerk, Vercel, Render

- Architected AI-powered resume optimizer using React 19, Node.js, PostgreSQL, and dual AI models (GPT-4 + LLaMA 3.3 70B) achieving 95%+ ATS keyword matching accuracy and processing 500+ daily analyses with sub-200ms response times
- Engineered full-stack application with OAuth 2.0 authentication, circuit breaker patterns, Redis caching (40% hit rate), and real-time streaming chat interface, reducing resume tailoring time by 80% and improving user match scores by 60%
- Deployed scalable microservices to Vercel/Render with automated CI/CD, comprehensive error handling, CORS security, and health monitoring, achieving 99.9% uptime and zero-downtime deployments through 450+ lines of production documentation

**Portfolio Website** | [Link](#) | [GitHub](#)

**Tech stack:** React, Javascript, Tailwind CSS, Shadcn, Vercel

- Created a fully responsive personal website using React and component-based architecture, styled with Tailwind CSS to create a modern, single-page application showcasing projects, skills, and professional experience.
- Achieved a 99 Lighthouse Performance score and 88 in Accessibility by implementing a fully responsive, component-based React site.
- Developed a clean design system with 44 reusable components (Cards, Buttons, Badges), which reduced code duplication by 40% and accelerated feature delivery by ~30%.

**ChatX - Real-time messaging** | [Link](#) | [GitHub](#)

**Tech stack:** React, Javascript, Tailwind CSS, Sevalla, Socket.IO, Zustand, MongoDB

- Engineered a full-stack real-time chat platform (React/Zustand, Node/Express, MongoDB, Socket.IO) with p50 message latency ≈45 ms (p95 <120 ms) and 12+ features including 1-to-1/group chats, typing indicators, replies, deletions, emojis, image sharing, and responsive UX.
- Secured 20+ REST/WebSocket endpoints with JWT (HTTP-only) and RBAC; enforced per-user/IP rate limits (60 req/min), blocking 200+ synthetic spam/DoS requests per minute in tests.
- Optimized for scale with modular controllers/routes/models and efficient client stores; achieved p95 API response times <180 ms on core routes with consistent, production-ready builds.

## Achievements / Extracurriculars

- Participated in BUD 2 BUSINESS Inter College Hackathon with over 150+ participants.