

Nainala Geeth Sowri

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EXPERIENCE

Software Developer Intern

Sep. 2025 – Present

Inncircles

Hyderabad, India

- Built and shipped end-to-end features across **Angular**, **Node.js/Express**, **React Native**, and **MongoDB** for a **multi-tenant B2B SaaS platform** serving **50+ enterprise clients**, owning implementation from database schema and **REST APIs** to web and mobile UI.
- Designed and optimized core platform capabilities, including **reusable workflow templates**, cross-module filtering with persistent user state, **bulk Excel import/export**, approval workflows, and **MongoDB aggregation pipelines** powering executive reporting and revenue forecasting.
- Improved platform reliability and security by resolving **64 production issues**, enforcing **tenant isolation** and **role-based access control**, and ensuring consistent behavior across web and mobile applications.
- Built an **AI-powered chatbot** using **LangChain** and **LangGraph**, enabling **agentic workflows** and real-time retrieval of system data for contextual responses.

Frontend Developer Intern

Mar. 2024 – May 2024

EiSystems

Remote

- Created and deployed [viaMetro](#), a metro navigation system for a network of **60+ stations** and **3 interconnecting lines**, implementing a **Breadth-First Search (BFS)** algorithm to compute optimal paths and transfer points with **sub-millisecond latency**.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, C++, SQL, HTML5, CSS3

Frontend: React.js, Next.js, Angular, React Native, Redux, Tailwind CSS

Backend: Node.js, Express.js, REST APIs, GraphQL, WebSockets, Microservices

Databases & Cloud: MongoDB, PostgreSQL, DynamoDB, Redis, AWS (EC2, S3, Lambda), Firebase

AI & Tools: Git, Docker, Kubernetes, GitHub Actions (CI/CD), MCP (Model Context Protocol), AI Agents, AgentFlow, RAG Pipelines, Vector Databases, System Design, Postman, Jira, Bitbucket, Figma

PROJECTS

Chalkd | *Next.js, React, TypeScript, Socket.IO, Express*

[Github](#) | [Live](#)

- Engineered a **real-time collaborative canvas** using **Socket.IO**, supporting multi-user drawing with **conflict-free synchronization**, optimized event handling to prevent flickering during concurrent edits, and ensured consistent board reconstruction for late joiners.
- Optimized rendering and interaction performance by designing an efficient **2D canvas pipeline** with **incremental redraw**, implementing advanced features like selection tools, pan/zoom, and eraser logic, and minimizing unnecessary re-renders through direct canvas manipulation and motion-based state handling.

reTrace | *React, Node.js, Express.js, MongoDB, Gemini API*

[Github](#) | [Live](#)

- Built a full-stack **MERN journaling platform** with **AI-based mood classification**, mapping free-form entries to a constrained emoji set with fallback handling, and optimized frontend data flow using **Redux Toolkit Query** (modular endpoints, tag-based cache invalidation) to minimize redundant API calls.
- Implemented secure, production-ready architecture with **JWT authentication** via **HTTP-only cookies**, **bcrypt password hashing**, user-scoped MongoDB queries for **data isolation**, and deployed with **GitHub Actions CI/CD** and **Vercel** using serverless Express routing and a CORS allowlist.

ACHIEVEMENTS

- Competitive programming: [LeetCode](#) rating **1741** with **600+** problems and a **500+ day streak**; [GeeksforGeeks](#) **600+** problems, **top 10** in college; [CodeChef](#) **3-star**, rating **1677**.
- **Competitive Programming Lead (CodeChef VIIT)**: authored problems and test cases for HackerEarth contests with **200+ participants**; mentored juniors in DSA.
- **Organiser & Design Lead (SusHacks)**: built a **Google Apps Script** automation to distribute tickets and certificates to **600+ participants**, cutting manual effort by **90%**.

EDUCATION

Vignan's Institute of Information Technology

Visakhapatnam, India

Bachelors, Computer Science and Engineering | CGPA 8.5

Oct. 2022 – May 2026