

SIDDANTH REDDY KATIPALLY

☎ +91 9032806365 ✉ siddanth6365@gmail.com  [LinkedIn](#)  [GitHub](#)  siddanth.tech

Experience

Gridmetry GmbH

Remote

Software Developer

January 2026 – Present

- Integrated a new mining site with an external energy-market provider in Go, implementing OAuth authentication, REST polling and acknowledgment flows, and control-plan routing into the production pipeline.
- Built a full-stack bidding platform using a React spreadsheet-style UI and FastAPI services, supporting bid creation, editing, deletion, real-time provider submission, DST and holiday deadline enforcement, deterministic bid identifiers, and scheduled AWS Lambda processing.

Software Developer Intern

June 2025 – December 2025

- Developed a client dashboard monitoring 7 mining sites across 3 clients, streaming 5-second performance data through SSE and providing cached 15-minute, hourly, and daily views using TanStack React Query, interactive data grids, and trend charts.
- Automated accounting KPI calculations for 7 sites across multiple time resolutions by ingesting API, email, and telemetry data through scheduled AWS Lambda and ECS jobs, with PostgreSQL persistence, CloudWatch alarms, and data-consistency checks.

Projects

Attention Router | Python, FastAPI, BM25, LLMs

[\[GitHub\]](#)

- Built a multimodal AI notification-routing system that classifies messages across 3 modalities - text, images, and voice into notify, digest, or mute actions using recipient-specific behavioral history and tiered BM25 retrieval.
- Designed a deterministic safety layer to detect phishing, brand impersonation, credential requests, and prompt-injection attempts before invoking the language model.
- Engineered a production-ready LLM pipeline with schema-validated outputs, citation verification, retry and fallback handling, provider-pluggable model support, FastAPI endpoints, synthetic data generation, and 121 offline tests in CI.

VercelLite | Node.js, Redis Pub/Sub, Docker, AWS ECS/S3, PostgreSQL, Prisma

[\[GitHub\]](#)

- Developed a deployment platform that builds React applications from GitHub repository URLs in isolated Docker containers and publishes them through hosted URLs with custom-domain support and request analytics.
- Implemented deployment orchestration using Node.js and AWS ECS, Redis Pub/Sub for real-time build logs, and PostgreSQL with Prisma for project and deployment persistence.
- Created a reverse proxy that routes incoming requests to the correct deployed assets stored in Amazon S3.

Technical Skills

Languages: Python, Go, C/C++, TypeScript, JavaScript, SQL

Backend & AI: FastAPI, Node.js, REST APIs, RAG, AI Agents, Prompt Engineering, Multimodal AI, LLMs

Frontend: React.js, Next.js, Tailwind CSS, TanStack React Query

Databases & Infrastructure: PostgreSQL, MongoDB, Redis, Docker, Linux, AWS ECS, ECR, S3, Lambda, CloudWatch, Terraform, GitHub Actions, CI/CD, pytest

Education

Jaypee Institute of Information Technology, Noida, Uttar Pradesh

2022 – 2026

B.Tech in Computer Science & Engineering

Achievements

- **Code with Cisco 2025 Finalist:** Selected among the top 75 of 30,000+ applicants and named one of three project nominees in the code-a-thon.

Volunteering

Teaching Assistant – 100xDevs Full-Stack Web Development Cohort

Jan 2024 – Sep 2024

- Resolved technical questions and created learning resources covering full-stack development topics.

Core Team Member – Google Developer Student Club, IIIT Noida

Aug 2023 – Jul 2024

- Organized technical events and delivered frontend development workshops.