

SANAA T

Generative AI Engineer · LLM Agents, Orchestration & Automation

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SUMMARY

CS undergraduate (CGPA 9.43) building LLM-powered agents and automations — LangChain conversational assistants, RAG pipelines, and REST/API-integrated tools across AWS and GCP. Comfortable breaking human workflows into structured, testable steps and iterating fast in ambiguous, evolving systems. Hackathon winner (IOB Bank, INR 1,00,000) with a track record of translating technical agent work for non-technical panels and stakeholders.

TECHNICAL SKILLS

AI & Agents: LangChain, RAG, Prompt Engineering, Agent Design & Orchestration, Anthropic (Claude) / OpenAI / Ollama APIs, scikit-learn
APIs & Data: REST APIs, Webhooks, JSON, SQL (MySQL, PostgreSQL), MongoDB, Supabase
Cloud & Infra: AWS (EC2, S3, Lambda, RDS, IAM, CloudWatch), GCP, Docker, CI/CD
Languages & Core CS: Python, Java, JavaScript · DSA, System Design, Microservices, Networking Basics

PROJECTS — AGENTS & LLM APPLICATIONS

GridGrit — Power Grid Monitoring Dashboard | *Personal Project*

- Built a full-stack, cloud-hosted dashboard (React 19, TanStack, Supabase) featuring “GRIT,” an Anthropic-powered AI agent that surfaces real-time grid insights through a REST API tool layer.

FoodHealth AI — Conversational Nutrition Agent | *Personal Project*

- Built a FastAPI + LangChain agent backend with per-session memory, a swappable LLM provider layer (OpenAI / local Ollama), and SQL/CSV-backed data grounding for tool-based responses.

Medical Call Management System | *BS Abdur Rahman Crescent University*

Feb '25 – Present

- Built and evaluated an NLP call-classification model (Python, scikit-learn), reaching 93% accuracy and cutting manual triage workload by ~3 hrs/day.

EXPERIENCE

AI/ML & Software Engineering Intern | *XTRAGRAD (CareerOS)*

Jul '26 – Present

- Built features for an AI-powered career-readiness platform (resumes, interview prep); raised test coverage to 85% and improved page load time by 25%.

AI/ML Model Developer — Hackathon Winner | *IOB Bank Hackathon · Chennai*

Mar '24 – May '24

- Built an AI/AWS-based security prototype detecting Wi-Fi interruption, DDoS, and brute-force attacks on banking infrastructure; presented live to a bank panel and won 1st place (INR 1,00,000).

Frontend Engineer (Internship) | *Ethical Intelligence Technologies · Chennai*

May '23 – Jun '23

- Built a centralized web interface (HTML, CSS, JavaScript) for real-time telemetry monitoring, cutting alert response time by 80%.

GENAI & CLOUD CERTIFICATIONS

Generative AI: Introduction and Applications (IBM) · Generative AI: Prompt Engineering Basics (IBM) · Claude Code in Action (Anthropic) · Python for Data Science, AI & Development (IBM)

Introduction to Artificial Intelligence (Infosys Springboard) · Python for Everybody (Coursera / University of Michigan) · Java Certification (CodeChef) · Intro to Docker · AWS S3 Basics

EDUCATION

B.E./B.Tech, Computer Science and Engineering | BS Abdur Rahman Crescent University | CGPA: 9.43 | Jul '21 – Present

AWARDS

Winner, IOB Bank Hackathon (INR 1,00,000) · 1st Place, Becrez Idea Fair · 2nd Place, Ecozest Shark Tank · 1st Place, Women's Hackathon · 3rd Place, Marketing Strategy Competition

SPOKEN LANGUAGES

English (Professional) · Tamil