

ANIRUDH EDPUGANTI

AI Engineer

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Summary

Founding-ready AI Engineer with full-stack ownership across agentic systems, model serving, and LLMOps. Proven track record of taking AI products from 0 to 1 (250+ users, 1,000+ monthly workflows), setting technical direction across 50+ teams, and authoring 4 peer-reviewed ML papers.

Experience

Guidewire Software

Jan 2024 – Present

Intern → Software Engineer (May 2024) → Software Engineer II (Jun 2025)

Bangalore, India

- Led R&D and owned the **AI architecture** to replace the LLM behind an **autonomous SRE agent (HolmesGPT)** with self-hosted SLMs, helping teams **understand software behavior and diagnose breakages**. Built a **verification & reasoning pipeline** scoring diagnosis, tool use, and reasoning across **~40 live incidents**; validated **Gemma** at scale via **100% shadow mirroring**.
- Architected and shipped an **agentic product (Drumbeat Generator)** with structured outputs and human-in-the-loop approval; **shaped the product roadmap** with early design partners. Adopted by **50+ pods (250+ users)** at **1,000+ reports monthly**, cutting a **half-day workflow to under a minute**.
- Won Guidewire **AI Contest** by building and piloting an **autonomous penetration testing agent**: analyzed source code and executed exploits, uncovering vulnerabilities missed by conventional security audits.
- Co-founded **AI Center of Excellence**, seeding an enterprise AI practice with leadership backing; set **technical direction**, evaluated **5+ AI project pitches**, and advised on **AI architecture** and build-vs-automate trade-offs.
- Built secure **Go** microservices for an **engineering-intelligence platform** analyzing **system dependencies, potential breakages, and software behavior** across the software supply chain on **Kubernetes/AWS**. Served as **Security Champion** with zero open findings.

Projects

Security Data Query Assistant | *Python, FastAPI, Claude (Bedrock), PostgreSQL, Kubernetes*

2025

- Built a **RAG and NL-to-SQL** assistant for complex supply-chain security data with **multi-layer prompt-injection and SQL-safety guardrails**, multi-turn context, a streaming API, and Kubernetes deployment.

AIMS Hospital LLM Chatbot | *Python, OpenAI, AWS (Lambda, DynamoDB, S3)*

2023 – 2025

- Built and deployed a **production LLM chatbot** serving real patients at a hospital, automating patient interactions with high availability and low latency on AWS.

Technical Skills

Applied AI & Agentic Systems: Agentic AI, RAG, Tool/Function Calling, Structured Outputs, Multi-step Reasoning, Prompt Engineering & Guardrails, Human-in-the-Loop

Model Evaluation & LLMops: LLM-as-a-Judge, Eval Frameworks (DeepEval), Observability (Langfuse), Shadow-traffic Validation, Inference Serving (KServe, vLLM), Gateways (LiteLLM)

Languages & Frameworks: Python, Go, TypeScript, SQL, FastAPI, React, Next.js

Cloud & Infrastructure: AWS (EKS, S3, ECR), Kubernetes, Docker, PostgreSQL, CI/CD, Microservices Architecture

Education

Amrita Vishwa Vidyapeetham

Oct 2020 – May 2024

B.Tech in Computer Science (Artificial Intelligence), CGPA: 9.12/10

Coimbatore, India

Achievements

- Google Agentic AI Day Finalist**
- Speaker:** “Ditch the LLM Bill: Self-Hosting SLMs on Kubernetes with LiteLLM & KServe” at Bengaluru Tech Week 2026
- Researcher:** 4 peer-reviewed publications (IEEE CONIT, ISPRS, iCASIC) in ML, signal processing, and graph computing
- Open Source & Community:** Maintainer of [guidewire-oss/teams360](https://github.com/guidewire-oss/teams360); trained 250+ students in deep learning; published on Guidewire Engineering Blog & Medium