

SAMRADH AGARWAL

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AI Engineer · LLM Systems & Agentic Pipelines · Full-Stack Python/React · CS @ VIT-AP

Technical Skills

AI & LLMs: LLM APIs (OpenAI, Anthropic), RAG Pipelines, Multi-Agent Systems (LangGraph), Agentic Orchestration, Prompt Engineering, Hallucination Detection, Guardrail & Schema Design, Embeddings, Vector DBs

Engineering: Python, FastAPI, TypeScript, React, Next.js, REST APIs, Java (DSA), Git, SQL

Analytics & Instrumentation: Mixpanel, PostHog, Funnel Analysis, Behavioral Telemetry, A/B Testing

Tools: Figma, LangChain, Linux, Jira

Projects

RelAI — Multi-Agent AI Trust Engine | Python, LangGraph, RAG, Knowledge Graphs, FastAPI | [Link](#) Feb 2026

- Engineered a multi-agent RAG pipeline using LangGraph with a temporal knowledge graph for time-aware entity resolution and conflict detection — implemented cross-agent hallucination detection, source attribution, and per-query audit trails across a modular multi-tenant architecture with isolated agent state per query.
- Built the full inference pipeline end-to-end: document ingestion, adaptive chunking, hybrid vector + BM25 retrieval, graph traversal, and a FastAPI serving layer — deployed as a stateless horizontally scalable service with output guardrails enforcing schema-validated, verifiable responses.

NotifyME — Multi-Agent Scam Detection & Alert System | Next.js, TypeScript, LLM APIs, Tailwind | [Link](#) Mar 2026

- Engineered a real-time threat validation platform routing newly reported scams through a **multi-agent consensus pipeline** — each agent independently cross-verifies claims across sources before a verdict is reached, eliminating single-point hallucination failure.
- Implemented a dynamic blacklist registry for confirmed false threats and a push-notification dispatch layer — architected the verdict state machine (pending → verified/blacklisted → alert dispatched) as a fully typed, auditable pipeline in TypeScript.

Vacuum OS — Deep Work Platform | React, Next.js, PostHog, Behavioral Analytics | [Link](#) Jan 2026

- Built a full-stack productivity platform instrumented with PostHog session analytics for behavior-driven UX iteration — achieved 45-min average focus sessions; architected features as independently togglable modules enabling live A/B experiments without disrupting active sessions.

Professional Experience

1000xdev — AI-Native Product Studio Feb 2026 – Mar 2026

Product Management Intern | Clients across India, New Zealand, and Dubai

- Prototyped AI-powered features across **5 concurrent client products** — built client-facing POCs integrating LLM APIs and AI automation workflows, designed UI/UX in Figma, and translated prototypes into production-ready specs for engineering handoff across B2C and B2B stacks.
- Ran end-to-end delivery cycles as the single point of contact per client — led client discovery calls, authored PRDs and feature decision docs, conducted engineer walkthroughs to align on implementation approach, and showcased working prototypes to secure client sign-off before development began.

VyapGO — Fintech for MSMEs | [Link](#) Apr 2025 – Jan 2026

Founding Engineer

- Engineered a voice-first billing and inventory platform for MSME merchants — designed and shipped a two-sided marketplace dashboard reducing manual data entry and time-to-first-transaction across live merchant cohorts.
- Instrumented Mixpanel behavioral telemetry across onboarding and transaction funnels; ran A/B experiments to isolate critical drop-off points — iterated on core UX from live data signals to measurably improve activation rates.

DasetAI — Data Infrastructure SaaS | [Link](#) Dec 2024 – Apr 2025

Founding Engineer

- Designed and built the core architecture for an LLM-powered “Auto-Clean” data agent — implemented schema validation contracts and output guardrails ensuring reliable, deterministic ML pipeline outputs across **10+ pilot deployments**.
- Maintained a two-week deployment cadence; owned the full feedback-to-fix loop — converted qualitative pilot feedback into structured engineering tasks and shipped fixes directly to the codebase.

Leadership & Extracurricular

RECON 2026 — National Cybersecurity Workshop | [Link](#) Apr 2026

Lead Organizer | VIT-AP University

- Led end-to-end execution of a national-scale cybersecurity event — coordinated **600+ participants**, managed a **80K+ CTF prize pool**, and oversaw logistics, web infrastructure, and speaker coordination across a 3-day programme.

University ML & AI Workshop Apr 2025

Instructor — Machine Learning & RAG | VIT-AP University

- Designed and delivered hands-on sessions on ML fundamentals, evaluation metrics, and RAG architectures to **100+ engineering students** — built original curriculum translating LLM internals and retrieval pipelines into practical, implementable frameworks.

Education

VIT-AP University

B.Tech, Computer Science and Engineering | Relevant Coursework: ML, Deep Learning, Reinforcement Learning, DSA, DBMS