

Tejas Haral

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Senior Generative AI Engineer | Azure AI Foundry & Agentic AI | LangChain / LangGraph | RAG | Python & FastAPI

Professional Summary

Senior Generative AI Engineer with 5 years of applied AI/ML experience, specializing in agentic systems and enterprise GenAI. At EY GDS, architecting Azure AI Foundry POCs end-to-end — using LangChain, LangGraph, RAG, and GPT-4.1 fine-tuning via async FastAPI and GitHub Actions CI/CD. Prior automotive GenAI work cut manual test effort by 40% and improved software efficiency by 30%. Adept at locally hosted LLMs and privacy-aware AI design for enterprise environments.

Skills

Generative AI & Agentic Systems: LangChain, LangGraph, RAG Systems, GPT-4.1 Fine-Tuning, Prompt & Context Engineering, Agentic AI, Agent Harness Engineering, Responsible AI & Guardrails, Vector Databases & Embeddings

Engineering & Cloud: Python, FastAPI (async), Azure AI Foundry, GitHub Actions CI/CD, Docker

Work Experience

EY Global Delivery Services (EY GDS)

May 2026 – Present

Senior Consultant – Generative AI | Pune, India

- Advised cross-functional delivery teams on NL-to-SQL architecture, prompt and context engineering strategy, and agentic AI feasibility, acting as the technical point of contact for GenAI design decisions.
- Architected and shipped 2 Azure AI Foundry agent-based GenAI POCs end-to-end — from first line of code to a working deployment — using asynchronous Python/FastAPI services, LangChain/LangGraph orchestration, and GitHub Actions CI/CD on a single-server environment.
- Designed multi-agent orchestration workflows on Azure AI Foundry and LangGraph with agent harnesses, guardrails, and Responsible AI controls to enable safe, autonomous task execution for enterprise GenAI use cases.
- Built POC application infrastructure on Azure Cosmos DB, Azure App Service, and Azure Static Web Apps, covering data persistence, hosting, and end-to-end integration for GenAI proofs of concept.
- Fine-tuned GPT-4.1 in Azure AI Foundry on custom synthetic datasets and prototyped agent behavior tuning to adapt LLM responses for domain-specific enterprise tasks.

KPIT Technologies

Oct 2021 – April 2026

AI/ML Specialist Engineer | Pune, India

- Engineered and deployed generative AI modules using RAG and prompt engineering to automate test case and test script generation/execution, cutting manual effort by 40%.
- Built intelligent document parsing pipelines with OCR and OpenCV, converting unstructured enterprise documents into ML-ready inputs and cutting preprocessing time by ~35%.
- Embedded generative AI techniques into legacy enterprise software to reduce process latency and improve software efficiency by 30%, while maintaining production readiness.
- Architected multi-agent AI systems with retrieval tools to automate document understanding, reducing manual document processing time by ~25% across cross-functional teams.
- Trained a YOLO object detection model on car infotainment icons and UI elements, boosting detection accuracy by 50% and enabling automated visual regression testing.
- Engineered a multi-object road detection Deep Neural Network for ADAS safety features, replacing manual image annotation with an automated pipeline and improving model throughput.

Education

Savitribai Phule Pune University | BE, Computer Engineering (pursued while employed full-time) | GPA: 8.0/10 | Aug 2021 – Aug 2024

Pimpri Chinchwad Polytechnic | Diploma, Computer Engineering | GPA: 89.3% | Aug 2018 – Jul 2021

Projects

- AI-Driven Automation Testing Agent: Agentic AI solution executing test scripts on Android IVI platforms via LLM decisioning and image-based validation.
- Automation Framework Report Analysis: Streamlit app parsing XML reports, root-causing failures via local LLM inference, auto-filing Jira defects.

Certifications & Languages

Multi AI Agent Systems with CrewAI, Functions Tools Agents in LangChain, LangChain for LLM App Development (deeplearning.ai) • ML with Python (Coursera) | Languages: English (Professional), Hindi (Intermediate), Marathi (Native)