

# ANAGHA K T P

AI Engineer | Generative AI | Backend Developer

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[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

## PROFESSIONAL SUMMARY

AI Engineer with hands-on experience building production-oriented Generative AI applications, LLM-powered systems, and AI agents. Skilled in Python backend development with FastAPI, retrieval-augmented generation (RAG), and prompt engineering, with direct experience evaluating and optimizing LLM and AI agent behavior through freelance AI evaluation work. Proven ability to design, build, and deploy intelligent, API-driven applications on cloud infrastructure (Azure), combining backend engineering with applied machine learning to deliver reliable, production-ready AI systems.

## CORE COMPETENCIES

Python | Generative AI | LLM Applications | AI Agents | RAG Systems | FastAPI | Backend APIs | Prompt Engineering | Machine Learning | Cloud Deployment

## TECHNICAL SKILLS

**Programming:** Python, Java, SQL

**AI & Machine Learning:** Generative AI, LLM Applications (Gemini), AI Agents, RAG Systems, Prompt Engineering, Machine Learning, Deep Learning, Scikit-learn, TensorFlow

**Backend & APIs:** FastAPI, Flask, REST APIs, API Integrations, Workflow Automation

**Web & Mobile:** React, Node.js, Android (Kotlin)

**Cloud & DevOps:** Microsoft Azure, Docker

**Databases:** MongoDB

**Developer Tools:** Git, GitHub, LaTeX

## WORK EXPERIENCE

**AI Evaluator & Specialist (Freelance) | Deccan AI Experts**

Jul 2026 – Present

- Evaluated and optimized AI agent and LLM responses through systematic prompt engineering and workflow testing, diagnosing failure patterns to improve output quality and model behavior.
- Built Python-based evaluation tooling to assess AI agent and LLM outputs at scale, driving measurable reliability and quality improvements across client projects.

**Android App Development using Gen AI (Intern) | MindMatrix**

Feb 2026 – May 2026 | Remote

- Engineered a GenAI-integrated Android application in Kotlin, implementing generative AI features within a mobile application architecture during a final-semester applied development internship.

**AI & ML Intern | Hepro AI**

Jan 2026 – Mar 2026 | Virtual

- Developed classification and regression models using Scikit-learn within a reusable object-oriented pipeline, improving model accuracy through structured feature engineering and error analysis.

**Data Analytics Intern | Vodafone Idea Foundation**

Sep 2025 – Nov 2025 | Virtual

- Analyzed telecom usage data with Python, Pandas, and SQL to surface customer-segment patterns, automating reporting workflows and reducing manual analysis effort.

**AI, ML & Front-End Development Intern | Edunet Foundation (IBM SkillBuild)**

Jun 2025 – Aug 2025 | Virtual

- Built and validated ML models using feature engineering and cross-validation, integrating outputs into React dashboards for stakeholder-facing data visualization.

## PROJECTS

**DocMind** | [GitHub](#)

- Engineered a production-ready Retrieval-Augmented Generation (RAG) chatbot using FastAPI, combining vector embeddings with LLM-powered retrieval for accurate document Q&A.
- Designed a scalable backend architecture connecting embedding-based retrieval to LLM inference, enabling context-aware search and question answering across large document sets.

**PashuSwasthya**

- Built an AI-assisted livestock health monitoring tool using TensorFlow Lite (TFLite) for on-device disease detection and diagnosis.
- Designed a lightweight ML inference pipeline optimized for low-resource mobile deployment, enabling real-time health assessment in field conditions.

**Grama Waste Tracker** | [GitHub](#)

- Developed an Android waste-management application using Kotlin and Jetpack Compose, integrating Gemini for AI-based waste classification.
- Built a React-based admin terminal with Firebase and Google Maps SDK integration for real-time tracking and village-level waste management coordination.

**Intrusion & Log Anomaly Detection**

- Built an ML-based log-analysis pipeline to detect anomalous patterns in system logs, supporting automated anomaly flagging for intrusion detection and security monitoring.

## EDUCATION

**Bachelor of Engineering, Artificial Intelligence and Machine Learning**

Srinivas Institute of Technology — CGPA: 8.3 | 2022 – 2026

## CERTIFICATIONS

- Machine Learning with Python** — IBM
- IT Specialist: Artificial Intelligence** — Pearson / Certiport
- Fundamentals of Cybersecurity (EDU-102)** — Zscaler Training