Rohit Surya A T

Applied AI Engineer | Agentic Automation

Backend Systems

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Professional Summary:

Applied AI Engineer specializing in agentic automation and AI-assisted systems. Experienced in building event-driven workflows, backend services, and production-ready automation with retries, failure handling, and human-in-the-loop approvals. Focused on designing reliable, scalable AI-assisted systems rather than standalone models.

Work Experience:

AI AGENT AUTOMATION ENGINEER *ZUNTRA Digital | Chennai, Tamil Nadu, India* Jun 2025 - Jul 2025

- Designed and deployed 70+ agent-driven automation workflows to replace manual business processes and reducing execution time by ~60-70%, focusing on decision logic, retries, and failure handling in production scenarios.
- Led a team of 7 to translate business requirements into event-driven automation systems and workflow orchestration, integrating 5+APIs and tools with logging, conditional flows, and human-in-the-loop approvals.

Core Skills:

Applied AI & Automation: Agentic workflows, automation systems, tool integration
Systems Engineering: Java, Python, Spring Boot, JPA/Hibernate, REST APIs, Flask, SQL (MySQL, PostgreSQL), MongoDB
Tools: Git, GitHub, Docker (Basic), n8n, Make.com
Concepts: Object Oriented Programming (OOPs), Data Structures & Algorithms (DSA), SDLC, error handling, system reliability
Soft skills: Technical Leadership, ownership, cross-team communication, requirement analysis

Projects:

OPS-AGENT | Python, Large Language Models (LLMs), REST APIs, Automation Tools, Logging GitHub

- Built a production-oriented agentic AI system capable of planning tasks, selecting tools, and executing multi-step workflows with validation, retries, and failure recovery.
- Implemented planning vs execution separation with tool validation, retries, and structured logging to handle failures and ensure reliable automation.

UZHAVAR – ML based Crop Recommendation | Python, ML GitHub

- Developed a machine learning classification model to recommend suitable crops based on soil and environmental parameters, focusing on feature selection and inference behaviour within applied systems.

Education:

St. Joseph's Institute of Technology Aug 2023 - May 2027
Bachelor of Technology Artificial Intelligence and Data Science CGPA – 8.4

Certificates:

Oracle Cloud Infrastructure	JP Morgan Chase & Co	NPTEL
AI Foundations Associate	Software Engineer Job Simulation	Python for Data Science – Elite Silver

Achievements and Awards:

Won an internal SIH selection hackathon, Finalists of TN Police Hackathon 2024 and 2025, Multiple times Symposium Winner.