

Aditya Katare

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About

MCA graduate and Backend Engineer with experience building AI infrastructure, LLM-powered applications, intelligent automation systems, and scalable backend services using Python, FastAPI, Next.js, and modern Generative AI technologies. Developed AI agents, workflow orchestration platforms, model integrations, and production-style APIs with a strong focus on reliability, scalability, and developer experience. Passionate about AI infrastructure, cloud-native systems, and open-source engineering.

Education

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| • Master In Computer Application(MCA) , SPPU | CGPA: 7.65 | Aug 2023 – July 2025 |
| • Bachelor in Computer Science , SPPU | CGPA: 9.09 | July 2020– July 2023 |

Experience

Samarth IT Internship | React.js & React Native Intern

Jan 2025 – Jun 2025

- Developed full-stack web applications integrating REST APIs and AI-powered features using React, Next.js, FastAPI, and Python.
- Built reusable UI components and optimized application performance for scalable production deployments.
- Assisted in identifying and resolving production issues by reproducing bugs, analyzing API responses, and collaborating with the development team..

Technologies

Python, JavaScript, SQL | LangGraph, AI Agents, LLM Integration, Prompt Engineering, Workflow Automation | API Design ,FastAPI , REST APIs, WebSockets , Authentication | Git, GitHub, Docker, Kubernetes, CI/CD, Linux ,Postman | PostgreSQL, MongoDB, MySQL, Redis

Projects

AI Task Automation Agent - <https://github.com/aditya8975/ai-agent>

- Built an AI-powered task automation platform using FastAPI, Next.js, LangGraph, and Groq LLM to automate multi-step workflows through tool calling, web search, report generation, and persistent conversational memory.

AI SWE Workspace - <https://github.com/aditya8975/ai-swe-workspace>

- Built a browser-based AI engineering workspace featuring a Monaco-powered code editor, AI-assisted development workflows, project management, and modern React-based architecture
- Developed reusable frontend components, integrated AI APIs, and optimized application performance for an interactive development experience.

Compliance Agent - <https://github.com/aditya8975/compliance-agent>

- Built an AI-powered compliance monitoring platform that ingests regulatory updates, extracts obligations using LLMs, and automates task assignment through backend workflows.
- Designed scalable API services for document processing and intelligent workflow automation.