

MOHD ADIL

AI/ML Engineer | LLM Framework Developer | Python Backend Developer

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PROFESSIONAL SUMMARY

AI Engineer with hands-on experience in developing agentic systems using LLM frameworks such as Autogen and LangChain. Proficient in Python, Django, and Flask with a strong foundation in prompt engineering, fine-tuning, and Retrieval-Augmented Generation (RAG). Adept at collaborating in cross-functional environments and delivering robust AI-driven solutions.

TECHNICAL SKILLS

Programming Languages: Python (3+ years), C++, JavaScript

Frameworks: Django, Flask, LangChain, Autogen, CrewAI

AI Tools: HuggingFace, OpenAI API, Azure OpenAI, LLAMA2, Falcon

Concepts: Prompt Engineering, RAG, LLM Fine-tuning, Multi-agent Systems

Others: Git, REST APIs, Docker, SQL, Firebase

RELEVANT EXPERIENCE

AI Engineer Intern – AI Hiring Agent System (May 2025 – Present)

Company: [Confidential Startup]

- Developed agentic AI tool for automating hiring processes using multi-agent frameworks (Autogen, LangChain).
- Implemented RAG architecture for test evaluation and document summarization.
- Built backend APIs using Flask; handled prompt engineering and context management.

Research Intern – IIT Kanpur (Aug 2024 – Nov 2024)

- Worked on UAV-based air quality monitoring using ML models (SVM, KNN, MLP).
- Improved sensor accuracy through calibration techniques; visualized data using Seaborn and Matplotlib.

EDUCATION

Indian Institute of Technology (IIT) Kanpur – B.Tech in Civil Engineering (2022 – 2026)

Relevant Coursework: Machine Learning, Artificial Intelligence, Data Structures, Web Technologies

PROJECTS

Cross Connection PUF (CS771 Project)

- Built a proof-of-concept for privacy-preserving authentication using AI models.
- Integrated Python-based data pipelines for signal analysis.

Suggestaria – Movie Recommender System

- Created a hybrid recommendation engine using collaborative and content-based filtering.
- Built end-to-end web app with Flask and hosted on Streamlit.