ADITYA AGNIHOTRI

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SOFTWARE ENGINEER

- Second-year Bachelor of Technology in Computer Science with specialization in Artificial Intelligence at Galgotias University with a CGPA of 8.02. Skilled in Python, Java, and **MLOps** tools. Built an end-to-end house price prediction pipeline using DVC, MLflow, and **GitHub Actions**. Hackathon finalist for integrating **LLMs** with creative software. Strong in **DSA** and problem-solving, with a drive to build impactful tech solutions.

EDUCATION

Galgotias University   **Greater Noida, India**

Bachelor of Technology in Computer Science with specialization in Artificial Intelligence and   *Graduation Date: May*
Machine Learning   *2027*

PROJECT EXPERIENCE

House Price Prediction Project   **Greater Noida, India**

Machine Learning Developer   *May 2025 - Jun 2025*

- Developed a full-stack end-to-end **MLOps pipeline** to predict house prices using regression models trained on real estate data.
- Preprocessed datasets using **Pandas** and **NumPy**, and trained models with **Scikit-learn**, optimizing for accuracy and generalization.
- Integrated DVC for robust data versioning and **MLflow** for tracking experiments, hyperparameters, and model metrics.
- Set up **CI/CD** workflows with GitHub Actions to automate model testing, retraining, and deployment.
- Containerized the **FastAPI** application using **Docker**, enabling consistent and scalable deployment.
- Hosted the model as a FastAPI capable of serving predictions in real time.
- Repository: EndToEnd-MLOps-HousePricePrediction

MCP Client – Hackathon Finalist Project   **Greater Noida, India**

AI Integration Developer (Hackathon Project)   *Apr 2025 - Apr 2025*

- Created a smart client integrating **LLMs** with Adobe After Effects and Blender to automate creative tasks.
- **API** integration for natural language control of visual software.
- Reached the final round in a **national-level** college hackathon with a 4-member team.

SKILLS & INTERESTS

Skills: Programming: Python, Java; Web Development: HTML, CSS; Database & Tools: MYSQL, Git; Core Concepts: **Data Structures & Algorithms (DSA)**, Object-Oriented Programming (OOP), MLOps; Libraries/Frameworks: Scikit-Learn, FastAPI, Pandas, Numpy, Matplotlib; MLOps: **Docker**, Dockerhub, GitHub Actions, DVC, MLFlow, **ZenML**; Languages: English, Hindi

Interests: Problem-solving, building impactful tech solutions, hackathons, creative software integration

CERTIFICATIONS

Introduction to Machine learning, **Kaggle learn**