

ADITYA AGNIHOTRI

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Software Engineer/Software Developer

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.

Professional Experience

House Price Prediction Project, India

May 2025 - Present

Machine Learning Developer (Academic Project), Greater Noida

- 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: github.com/AgniAditya/EndToEnd-MLOps-HousePricePrediction

MCP Client – Hackathon Finalist Project, India

Apr 2025 - Apr 2025

AI Integration Developer (Hackathon Project), Greater Noida

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

Education

Galgotias University, Greater Noida, India, Bachelor of Technology in Computer Science with specialization in Artificial Intelligence and Machine Learning, (GPA: 8.02), Sep 2023 - Present

- Relevant Courses: Data Structures & Algorithms, Object-Oriented Programming, Python Programming

Certifications

[Introduction to Machine Learning](#), Kaggle Learn

Jan 2025

Achievements

LeetCode

350+ LeetCode Problems

Hackathon Finalist

Apr 2025

Finalist in a national-level college hackathon for innovative integration of LLMs in creative software

Core Competencies

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