

ADITYA AGNIHOTRI

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SUMMARY

Enthusiastic computer science student with hands-on experience in backend development, MLOps, and system design. Skilled in building scalable applications using Node.js, FastAPI, and Docker. Finalist in a national hackathon and a consistent problem-solver with 350+ LeetCode questions solved. Eager to contribute to real-world software projects in collaborative, Agile-driven environments.

EDUCATION

Galgotias University, Greater Noida, India Sep 2023 – Present
Bachelor of technology in Computer Science (AI & ML Specialization) GPA: 8.02

CERTIFICATIONS

Introduction to Machine Learning, Kaggle Learn Jan 2025

AWARDS & ACHIEVEMENTS

LeetCode, Solved 350+ problems on LeetCode, strengthening DSA and algorithmic thinking.

PROJECT EXPERIENCE

User Authentication System (Node.js + Express) Jul 2025 – Jul 2025
Backend Developer

- Developed a secure user authentication system using Express.js and JWT.
- Implemented role-based access, token validation, and password encryption (bcrypt).
- Designed modular RESTful APIs for login, register, and protected routes.
- Tested endpoints using Postman and documented the API for future integration.

CodeOrbit – Cloud IDE Platform (In Progress) Jul 2025 – Present
Full Stack Developer

- Building a web-based code editor supporting real-time collaboration and GitHub integration.
- Developed backend using Node.js, Express.js, MySQL, and Redis.
- Working on OAuth-based GitHub sync, containerized code execution (via Docker), and REST API routing.
- Designed scalable backend architecture for project management and code persistence.

End-to-End House Price Prediction (MLOps Project) May 2025 – Jun 2025
Machine Learning Developer

- Built a regression model pipeline with real estate data to predict house prices.
- Integrated **DVC** for data versioning and **MLflow** for experiment tracking.
- Created a containerized FastAPI service for live model inference and deployed using Docker.
- Automated training and deployment with **CI/CD via GitHub Actions**.

SKILLS

Languages: Python, Java, JavaScript

Backend: Node.js, Express.js, FastAPI, REST APIS, Spring boot(learning)

Frontend: HTML, CSS, Bootstrap, Javascript, React(learning)

Database: MySQL, SQLite

Tools & DevOps: Git, GitHub, Docker, Docker Hub, GitHub Actions, Prisma

MLOps & Libraries: MLflow, DVC, Scikit-learn, Pandas, NumPy, Matplotlib, ZenML

Concepts: Data Structures & Algorithms, OOP, System Design (learning)

Soft Skills: Communication, Time Management, Team Collaboration