

# Harshad Agrawal

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## SUMMARY

AI & ML engineering student with hands-on experience in Python, machine learning, FastAPI, and Docker. Actively learning agentic AI frameworks like LangGraph and MCP, with practical exposure to model deployment, APIs, and version control (Git/GitHub/GitLab). Passionate about building real-world AI systems, continuously improving problem-solving skills, and growing through internships and project-based learning.

## WORK EXPERIENCE

### AI Engineer Intern | Akiyam Solutions | Dec 2025 – Present

Working on AI-driven features for automation and data-driven systems.

Contributing to backend and ML components using Python and FastAPI.

### Campus Ambassador | EDC IIT Delhi | Jan 2025 – Feb 2025

Promoted entrepreneurship initiatives through campus outreach and event coordination.

Acted as a liaison between students and EDC programs to improve participation.

## EDUCATION

### Symbiosis Institute of Technology, Pune

2024 – Present

*B.Tech in Artificial Intelligence and Machine Learning*

## PROJECTS

### TerraNova – AI-based planning and recommendation system

- Built an AI-based system to generate sustainable urban layout suggestions.
- Technologies: Python, NLP, FastAPI, Scikit-learn

### MindMetrics – Mental Health Data Analysis

- Developed a data analysis system for mental health assessment using scoring models.
- Technologies: Python, Pandas, Scikit-learn

### Exoplanet Classifier – NASA Space Apps Challenge

- Built an ML model to classify potential exoplanets using NASA TESS and K2 datasets.
- Technologies: Python, Machine Learning, Scikit-learn

## TECHNICAL SKILLS

**Languages:** Python, C, HTML, CSS

**Backend Frameworks:** Flask, FastAPI, REST APIs

**Libraries:** Pydantic, Scikit-learn, LangChain, LangGraph, Pandas, Matplotlib, Typing, Tavily

**Databases:** MySQL, SQLite, MongoDB

**Tools:** Linux, Git, GitHub, GitLab, Docker, AWS, Excel, Studio, MCP, UV Package Manager

**Coursework:** Data Structures & Algorithms, OOPS, DBMS, Operating Systems, Computer Networks

**AI/ML:** Scikit-learn, Retrieval-Augmented Generation, Vector Databases, ReAct Agent Architecture, Agentic AI Systems, Tool-Calling LLMs, State Management in AI Workflows

## AWARDS, HONORS AND CERTIFICATIONS

- Full-Stack Generative & Agentic AI with Python (Udemy)
- Oracle Cloud Infrastructure 2025 – Multicloud Architect Professional
- OCI Foundations Associate 2025
- Data Structures & Algorithms – Scintialab
- SQL (Basic & Advanced) – HackerRank
- NASA Space Apps Challenge Participation