

Archit Tyagi

AI/ML Engineer

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ABOUT ME

Self-driven BCA student with strong skills in Python, Machine Learning, Deep Learning, Generative AI, and Agentic AI. I build AI-powered backends, LangGraph agentic workflows, and scalable ML systems. With active GitHub contributions and hands-on project experience, I am seeking an internship or entry-level role to apply my AI/ML and backend development skills to real-world products.

EDUCATION

IIMT University

Bachelors of Computer Applications (BCA)

2023 – Present | Meerut, UP

Relevant Coursework: C Programming, Computer System Architecture, Data Structures and Algorithms, Database Management Systems (MySQL), Python, Object-Oriented Programming using Java and Python, Software Engineering, Data Mining, Soft Skills, Web Designing

SKILLS

- **Agentic AI:** LangGraph, LangSmith, Agentic RAG, Tools Integration, API-based Agents, Deep Agents
- **Generative AI:** LangChain, RAG, Prompt Engineering, Vector DBs, LLM Calling
- **Deployment Platforms:** Render, Vercel
- **Machine Learning:** Scikit-learn
- **OS:** Linux, Window
- **Deep Learning:** TensorFlow, Keras, DNNs, Attention
- **NLP & CV:** NLP Pipelines, Basic Computer Vision
- **Backend & APIs:** FastAPI, Django, Flask, Pydantic
- **Data Analysis:** NumPy, Pandas, Matplotlib, Seaborn

> Programming Languages :

- Python (Advanced)
- Java
- Javascript
- **Databases:** MySQL, PostgreSQL, Vector DBs
- **Web Dev:** HTML, CSS, JavaScript, Bootstrap
- **Web Scraping:** Selenium, Scrapy, BeautifulSoup
- **Version Control:** Git, GitHub
- **MLOps:** Basics of ML pipeline & deployment
- **Docker**

PROJECTS

Multi AI Agents Powered Students Assistant

Deep AI Agents, LLMs, Postgres DB intergration

09/2025 – Present

Developed a multi-AI-agent application designed to handle students' daily tasks with isolated memory, strong security guardrails, high-context processing, and production-ready performance.

Netflix Shows Recommender System

Machine Learning, Cosine similarity, Collaborative Filtering

12/2024 – 02/2025

Developed a collaborative filtering-based Netflix-style movie and series recommender system using machine learning techniques to generate personalized content suggestions.

GidHelp (Github Description Helper) - Next Word Predictor

Next Word Predictor, Deep Learning model

05/2024 – 06/2024

Built a GitHub description predictor tool using next-word prediction techniques. Collected a dataset of 10K+ Indian GitHub user profiles, designed a smooth end-to-end pipeline, trained a deep LSTM model, and deployed a functional prototype.

COURSES

Programming, Data Structures and Algorithms using Python

IIT Madras | Percentage - 58%

The Joy of Computing Using Python

IIT Madras | Percentage- 90%

CERTIFICATES & ACHIEVEMENTS

Technovation - 2025 (Organised by: IIMT university | 2nd position in Project Presentation)

Secured Place among top 50 teams in the Internal hackathon for Smart india hackathon

RESEARCH PAPERS

From Prototype to Production: Developing MAASA - A Scalable Multi-Agent Student Assistant with Sub-Agents Specialization and Tools Integration