

Mayank Joshi

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INTERESTS

LLMs, Generative AI, RAG (Retrieval-Augmented Generation) systems, Agents and backend development.

EDUCATION

DR. AKHILESH DAS GUPTA INSTITUTE OF TECHNOLOGY & MANAGEMENT, GGSIPU New Delhi
Bachelor in Technology (Information and Technology) Expected June 2026
Cumulative GPA: 7.4/10.0;
Relevant Coursework: Data Structure & Algorithms, Intro to C/C++, Operating systems, DBMS

EXPERIENCE

KOSMOZ CONSULTING -ML + Backend Engineer (Full-time, previously AI Intern) Oct'25 — Present

- **Knowledge Graph-Enabled RAG System:** Contributed to integrating a Neo4j knowledge graph into a RAG system to improve structured retrieval and context grounding.
- **End-to-End Product Architecture:** Built the overall software architecture spanning backend, frontend, and upcoming AI features for a market-ready product.

DEEPLAGIC AI - AI Engineer + Backend dev (Full-time, previously AI Intern) Oct'24 — Feb'26

- **PDF Translator Tool:** Developed a complete end-to-end solution for translating German PDF documents into English, handling both frontend and backend implementation, and integrating a custom-trained translation model.
- **OCR Automation System:** Engineered an OCR pipeline to extract and overlay machine-readable text from PDFs while preserving the original layout. Automated the integration with Django backend and frontend viewers, enabling faster document processing and improved accessibility.
- **Comic Production Automation:** Contributed to automating the comic book production pipeline by leveraging AI

PROJECTS

PLUGTALK - A CHATBOT WITH LLMs Sept 2024

- Developed a dynamic chatbot that retrieves and provides answers based on scraped website content using conversational AI.
- Integrated custom API key functionality and designed the system for real-time document retrieval and response generation.
- **Tech Stack:** LangChain, OpenAI, Chroma, Streamlit., Project link- [Link](#), [Github](#)

Q&A ABOUT FOOTBALL MATCHES July 2024

- Developed a web application that answers queries related to football matches using natural language processing.
- Designed the NLP model for real-time responses.
- Tech Stack: Langchain, Open AI. Project Link-[Github](#)

DIGITAL CRICKET COMMUNITY Dec 2023

- Created an interactive web app for the cricket community, enabling posting, searching, and sponsorship features.
- Tackled user profile creation, post management, search functionality, and URL routing complexities.
- Tech Stack: Bootstrap, Django, MySQL. Project Link- [Github](#), [Demo](#)

ACTIVITIES

GOOGLE DEVELOPER STUDENT CLUB(INTERNAL HACKTHON) Participant, Dec 2023

- Created and presented a legal aid app that provides a free chatbot for basic assistance on abuse-related issues and informative blogs on lesser-known.

SMART INDIA HACKATHON Participant, Sep 2024

- Prototyped a cloud burst prediction model that takes location as input and makes accurate predictions up to 65 %

ADDITIONAL

DSA: Data Structures & Algorithms in Python Platform: [Leetcode](#)

Programming & Query Languages: Python, SQL, JavaScript, HTML/CSS

Backend & Web Development: Django, Flask, REST APIs, Backend Development

AI/ML & Generative AI: Generative AI, Machine Learning, LLM Applications, Prompt Engineering, AI Workflow Automation

Tools & Version Control: Git

Core Strengths: API Integration, Data Handling, Model-Driven Application Development

Awards: Cleared for the final round SIH in '24, Launchpad Ideathon Top 10 (Jan 23) out of 100+Team; In Top 35 teams in SIH college round out of 100+ teams in '23; Finished 6th position in internal hackathon out of 25 teams(Google developer student club)(Dec 23)