

Santosh Kumar

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in LinkedIn

🐙 GitHub

EDUCATION

- **Indian Institute of Information Technology, Lucknow** Lucknow
Masters of Science in Artificial Intelligence and Machine Learning; CGPA: 9.45 Dec. 2023 – Present
- **Delhi University, Shivaji College** Delhi
Bachelor of Science (BSc) in Mathematics (Hons); CGPA: 9.162 Aug 2020 – May 2023
- **Jawahar Navodaya Vidyalaya Mungeshpur, Delhi**
12th Percentage: 93.8 Mar 2020

WORK EXPERIENCE

- **LLMOPs internship:** Apr 2024-present
 - **Description:** Leading a team of LLM developers to build a LLM Agent to automate bookkeeping etc in Accounting via supporting Invoice, Audio and Natural Language inputs to ease the process.
 - **Tech Stack:** LLM Agents, LLM Finetuning, RAG pipelines, FastAPI, Accounting
- **MLOps Intern at AYUDH AI:** Mar 2024-Apr 2024
 - **Description:** Developing and deploying a RAG (Retrieval-Augmented Generation) based system for enterprises. I made the UI enterprise friendly, implemented authentication and managed the whole process of development.
 - **Tech Stack:** Frontend development, ChromaDB, Database management, Ngrok servers, Git, LLM Inference server, Hugging Face, LLMs
- **Backend Developer at Natureof3Laws** Oct 2021- Oct 2022
 - **Description:** Build an end to end website with wordpress hosted on AWS server. worked as a frontend and backend developer on the website.
 - **Tech Stack:** AWS (EC2, S3), Cloudflare, WordPress, Linux command-line.

REAL-WORLD PROJECTS

- **College Counselling Chatbot:** Developed "Counselling Chatbot," A RAG Based Chatbot for a QA with LLMs for college counselling. **Tech Stack:** Langchain, Groq API, RAG, Web scraping, Chatbot
- **Chat with Databases and Gmail** Developed LLM Agents to interact with your Gmail and Databases to send or read your mails and chat with your database.
- **Advanced RAG Website:** Developed a Website using ReactJS, and backend with FastAPI. It uses the Advanced RAG techniques like Self-query retriever and Multi Query retriever of a better RAG pipeline.
Tech Stack: ReactJS, AWS, Nginx, FastAPI, Advanced RAG, Full Stack development, ChromaDB, LLM
- **AnywhereLLM** Developed **AnywhereLLM**, with which one can harness the power of LLMs anywhere in the system even your whatsapp and notepad.
Tech Stack: Python Development, Prompt Engineering, API, Github

SKILLS

- **Technologies/Frameworks:** Streamlit, OpenAI, AWS (EC2, S3), Database Management, Linux command-line, GitHub, Advanced RAG, NLP, HuggingFace, Docker, Gradio, LLMs API, Prompt Engineering, Cloudflare, Nginx, Python Development, ReactJS, FastAPI, Full Stack Developer.
- **Soft Skills:** Hardworking, Adaptability, Teamwork, Effective Communication, Problem-Solving

ACHIEVEMENTS

- Secured **35th Rank** in the All India Hackathon AI ARENA 2.0.
- **IIT JAM All India Rank** 🏆: 804
- **Coding Questions:** Solved 300+ questions on various platforms, including:
 - Coding Ninja 🏆
 - Leetcode 🏆