

Alok Kumar Gupta

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EDUCATION

Sir M Visvesvaraya Technological University

Bangalore, India

Bachelor of Engineering in Artificial Intelligence and Machine Learning

2022 – 2026

- Among the top 5% of the batch
- Relevant coursework in Data Science, ML, AI, Data Structures in Java, DBMS,NLP,DL

SKILLS

Languages: Python, Java, SQL

Frameworks/Libraries: PyTorch, TensorFlow, NumPy, Pandas, Hugging Face, LangChain

Technical: SQL, Python, Statistics, Data Visualization, Machine Learning, Deep Learning

Tools: VS Code, Git, GitHub, Jupyter Notebook, Google Colab, Anaconda, Postman, Streamlit

Cloud & Deployment: Docker, Kubernetes, Google Cloud, IBM Cloud, AWS (basic)

Certificates: python (simplilearn), SQL (BigBinary Academy), OCI AI Foundations Associate

EXPERIENCE

Edunet Foundation

Bangalore, India

AI Intern

10/04/2025 – 10/05/2025

- Built and deployed AI and machine learning models for real-world tasks.
- Preprocessed data, trained models, and evaluated their performance effectively.
- Explored cloud-based model deployment and collaborated on applied AI projects.

PROJECTS

Hand Sign Detection

20/09/24 – 25/09/24

- I developed a hand sign detection system using OpenCV and a CNN model to recognize hand gestures in real time through a webcam.
- I used Python with OpenCV for image processing, TensorFlow and Keras for building and training the CNN model, and a webcam for real-time gesture detection
- The system accurately detected hand signs in real time, improving gesture-based interaction and showing potential for sign language interpretation.

AI Summarizer Agent

17/01/25 – 19/01/25

- Built an AI agent that fetches news articles and generates concise bullet-point summaries.
- Integrated LangChain with Groq LLM for natural language summarization.
- Demonstrated skills in web scraping, prompt design, and Python automation.

AI Medical RAG Application

10/06/25 – 16/06/25

- Built a medical chatbot using RAG architecture with Python, LangChain, and Pinecone.
- Enabled fast and accurate retrieval with GPU-accelerated inference.
- Integrated user interface using Streamlit for interactive medical Q&A.

ACHIEVEMENTS

- Runner-up in a college-level quiz competition during second year.
- Solved 200+ problems on LeetCode to strengthen problem-solving and coding skills.
- Participated in a hackathon with a team of three and secured 5th place, demonstrating teamwork and problem-solving skills.