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,NLP, Data Structures in Java, DBMS

SKILLS

Languages: Python, Java
Technical: SQL, Python, Statistics, Data Visualization, Machine Learning, Deep Learning,NLP
Tools: VS Code, Git, GitHub, Jupyter Notebook, Google Colab, Anaconda, Postman, Streamlit
Frameworks/Libraries: PyTorch, TensorFlow, NumPy, Pandas, Hugging Face, LangChain
Certificates: python (simplilearn), SQL (BigBinary Academy)

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.
- Collaborated on AI projects, enhancing problem-solving skills and understanding practical AI applications.

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

- I built an AI-based medical chatbot that can answer user queries by retrieving information from pre-uploaded medical documents and generating accurate responses.
- I used Python with NLP libraries, embeddings for document retrieval, and a large language model to generate context-aware answers.
- The application provides fast and accurate medical information, reduces the need to search through documents manually, and improves accessibility to medical knowledge.

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.