ALOK KUMAR GUPTA

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EDUCATION

Sir M. Visvesvaraya Institute of Technology, Bengaluru   Dec 2022 – Jun 2026

Bachelor of Artificial Intelligence and Machine Learning   *8.54 CGPA*

COURSEWORK / SKILLS

- Data Structures & Algorithms
- Operating Systems
- DBMS
- Computer Networks
- OOPS Concept
- Web Development
- Machine Learning

PROJECTS

Vidzora – Video Sharing Platform ⚲   Nov 2024

- Developed a full-featured video sharing website with authentication and JWT-based secure access.
- Implemented video upload, view, like, comment, subscribe, and watch history functionalities.
- Built a responsive frontend ensuring seamless user experience across devices.
- Added subscription management to allow users to follow and stay updated with their favorite creators.

AI Medical RAG Application ⚲   Feb 2025

- Built an AI-powered medical Retrieval-Augmented Generation (RAG) application to provide accurate, context-aware responses to medical queries.
- Integrated natural language processing and vector search to retrieve relevant information from medical documents.
- Leveraged large language models to generate human-like answers, enhancing user understanding.

HealCart – NGO & User Medicine Platform ⚲   April 2025

- Developed a full-stack web application connecting NGOs and users to access and apply for medicines.
- Integrated secure JWT authentication, role-based access, and REST API with MongoDB backend.
- Designed and implemented a fully responsive user interface for seamless access across devices.
- Deployed frontend and backend on Render using Vite, React, Material UI, and Tailwind CSS.

INTERNSHIP

Eduminatti   June 2024 – oct 2024

- Learned full-stack development including HTML, CSS, JavaScript, and Git/GitHub.
- Gained hands-on experience in backend development and AI integration.
- Collaborated on full-stack projects to strengthen understanding of client-server architecture.
- Built and optimized resumes and portfolios showcasing frontend and backend skills.

TECHNICAL SKILLS

Languages: Java, JavaScript, Python
Frameworks & Libraries: Node.js, Express.js, Flask, React.js, Bootstrap
Technologies & Tools: Git, GitHub, TensorFlow, MATLAB, NumPy, Pandas,Devops
Databases: MySQL, MongoDB
Certifications: SQL (Big Binary Academy), Python (Simplilearn)

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.