

ANUP DANGI

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EDUCATION

CMR Institute of Technology, AECS Layout, Bengaluru

2026 (Pursuing)

Bachelor of Engineering – Artificial Intelligence and Machine Learning

CGPA: 8.91

Uniglobe College, Kathmandu, Nepal

2022

12th – Science

8.875

Ideal Model School, Lalitpur, Nepal

2020

10th

9.375

TECHNICAL SKILLS

Programming Languages: Python, C, Java, JavaScript, TypeScript

AI/ML Frameworks: LangChain, LangGraph, TensorFlow, PyTorch, Scikit-learn, Hugging Face

Web Frameworks: Flask, React, Node.js, Django, FastAPI, Express.js, Bootstrap, Tailwind

Database Technologies: SQL (MySQL, SQLite), NoSQL (MongoDB Atlas)

Cloud & DevOps: AWS, Azure, GCP, Docker, DockerHub, Jenkins, CI/CD Pipelines, Vercel, Render

Development Tools: Git, GitHub, VS Code, Jupyter Notebook, LangSmith, Anaconda, MobaXterm

AI Development: Deep Learning, NLP, LLMS, OpenCV, H2O.ai, NLP, Computer Vision, Multi-Agent Systems

PROFESSIONAL EXPERIENCE

Areta360 Private Limited

Apr 2025 - Oct 2025

Engineering Intern

- Developed NL2SQL agents using Spider 2.0 research framework with LangChain and Google ADK, implementing natural language to SQL query translation with 85% accuracy, asynchronous task handling, and real-time UI integration for production environments
- Engineered hyper-personalized virtual try-on solution leveraging Hugging Face models and deployed LLMs on cloud VMs with full-stack React integration and database optimization

PROJECTS

- Smart AI Interviewer (SAI):** Developed intelligent multi-agent interview system using Google ADK and Gemini models with adaptive difficulty algorithms, live code execution via Piston API, real-time feedback generation for technical coding, system design, and behavioral assessments. Tech Stack: Python, FastAPI, React, Google ADK, Gemini, Neon PostgreSQL, Piston API
- AI-Powered Drug Interaction Platform:** Built full-stack healthcare application using machine learning for drug interaction detection and alternative suggestion system. Implemented user authentication, prescription history tracking, and medical database integration with H2O.ai for predictive analytics. Tech Stack: Python, Flask, React.js, Node.js, MongoDB, H2O.ai, Express.js
- Real-Time Trading Platform:** Architected stock trading simulator with real-time price analysis, portfolio management, and watchlist functionality. Implemented RESTful API architecture connecting decentralized microservices with MongoDB Atlas backend. Tech Stack: React, MongoDB Atlas, Node.js, Express, Vercel, Render
- Student Safety Tracker:** Designed intelligent campus security system integrating computer vision for face-recognition attendance automation, real-time geolocation tracking via Google Maps API, and international student monitoring dashboard. Tech Stack: Django, Flask, OpenCV, SQLite, Google Maps API

ACHIEVEMENTS & CERTIFICATIONS

- Won 1st Prize in Full Fiesta Hackathon (2025) and FSD Hackathon; 2nd Prize in Mini Project Exhibition (2023)
- Competed in 6+ national hackathons including FlipKart GRIID 6.0 (2024), Quant-A-Maze 2.0 (2024), advancing to finals
- Certifications:** Machine Learning Specialization (Coursera), DSA & MERN Stack Development (Apna College)