

ANUKALP KUMAR THAKUR

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Profile Summary

Detail-oriented software developer with hands-on experience in full-stack development and AI-based systems. Strong foundation in Python, Java, and SQL. Eager to contribute to innovative, scalable applications in a growth-driven IT environment.

Projects

Face Recognition ERP (Python, OpenCV, MySQL, SMTP, PyQt5)

Developed a secure and scalable biometric attendance system for organizations. Integrated facial recognition login, OTP-based user registration/reset, email notifications for attendance, and real-time analytics. Implemented role-based access control and ensured user privacy and data validation.

Brain Tumor Detection using CNN (Python)

Built a convolutional neural network (CNN) model to classify brain MRI scans into tumor/non-tumor categories. Achieved high prediction accuracy using proper data preprocessing, augmentation, and training/validation split.

School Management System (Python + PyQt5)

Designed a GUI application for managing school operations like student-teacher records, attendance, and fee tracking. Integrated database connectivity for secure storage and retrieval. Offered clean interface and admin role management.

Vehicle Speed Detection (IoT, C++)

Engineered a prototype using ultrasonic sensors and C++ for real-time vehicle speed and count detection. Useful for smart traffic systems and monitoring highways. Displayed results on a serial interface for analysis.

Education

MCA, Graphic Era Deemed to be University, Dehradun

August 2023– July 2025

CGPA: 8.29

BCA, BRABU, Muzaffarpur

August 2019– April 2023

Percentage: 75.4

Skills

Languages: Python, Java, C, C++, SQL

Web: HTML, CSS, JavaScript (Basic)

Tools: MySQL, VS Code, PyCharm, Android Studio, Jupyter Notebook

Soft Skills: Teamwork, Leadership, Communication, Time Management

Certifications

- Infosys Springboard – AI Primer, Generative AI
- Coursera – AWS S3 Basics
- Cyberanya Digital Security – Top Project Presenter
- Tata iON – Communication Skills
- Unstop – Tata Crucible & Flipkart Grid Quiz

Leadership

- Google Developer Club (GDC) – Active member; co-organized tech sessions and peer learning events.

Extra-Curricular Activities

- Participated in national seminars on emerging technologies and cyber security.