Anupam Gautam

Nationality: Nepalese   **Date of birth:** 21/02/2002   **Gender:** Male

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📍 **Home:** Tulsipur (Nepal)

ABOUT ME

I am a Computer Engineer with a passion for Machine Learning and substantial experience in Full Stack Development. My journey in technology spans Flutter mobile application development, Python programming, machine learning and SQL database management.

EDUCATION AND TRAINING

Bachelor's Degree in Computer Engineering

Tribhuvan University [2019 – 2024]

City: Kathmandu | **Country:** Nepal | **Website:** https://tu.edu.np/ | **Final grade:** 70.95%

WORK EXPERIENCE

🏢 *Pahadi Research LLC* – Seattle, United States

City: Seattle | **Country:** United States

Software Developer

[04/2024 – 03/2025]

- Developed comprehensive Flutter applications including ticketing systems, school management platforms, and fitness websites
- Built modular plugins and reusable components to enhance the no-code platform's core functionality
- Managed SQL database design, optimization, and query performance across multiple projects
- Resolved critical technical issues and platform bugs to improve overall system performance
- Contributed to development of an automated tool to generate class diagrams from system metadata

🏢 *Pahadi Research LLC* – Seattle, United States

City: Seattle | **Country:** United States

Fellow

[16/12/2023 – 16/02/2024]

- Contributed to the development of zero.app, a no-code platform, and Flutter-based applications.
- Applied MySQL for data management and integration
- Gained practical experience with C#, RESTful APIs, and Flutter framework

🏢 *Que Pay Private limited* – Kathmandu, Nepal

City: Kathmandu | **Country:** Nepal

Intern

[01/10/2023 – 30/11/2023]

- Managed and updated databases to ensure data integrity and consistency.
- Developed Python scripts and contributed to ongoing software projects
- Participated in code reviews and debugging sessions

SKILLS

C / C++ / Python / Machine Learning / Deep Learning / Django / Dart / Flutter / MySQL

LANGUAGE SKILLS

Mother tongue(s): Nepali

Other language(s):

English

LISTENING C2 **READING** C2 **WRITING** C1

SPOKEN PRODUCTION C1 **SPOKEN INTERACTION** C1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

CAPSTONE PROJECT

Driver State Detection System using Deep Learning

- Built a real-time system to detect driver drowsiness and distraction.
- Developed a complete data pipeline for 22,000+ images, including preprocessing, model training, and live inference.
- Implemented an ensemble of ResNet-50, MobileNet, and Xception, achieving 88% validation accuracy for distraction detection.
- Applied Dlib and CNNs for real-time video-based drowsiness detection.