NISHANTA POUDEL

Electronics, Communication & Information Engineering Undergraduate
https://nishantapoudel.com.np | nishantapoudel155@gmail.com |
https://www.linkedin.com/in/nishanta-poudel/ | https://github.com/NishantNN

SUMMARY

Electronics, Communication and Information Engineering undergraduate focused on computer vision, automation, and hardware–software integration. Experienced in building and deploying real-world systems using C++, Python, OpenCV, and modern web technologies, with a strong inclination toward practical engineering over academic theory.

TECHNICAL SKILLS

Programming & Tools: C, C++, Python, JavaScript, Git, CMake, OpenCV, Firebase

Engineering Domains: Computer Vision, Automation, Embedded & Hardware–Software Systems, Digital Logic, Microprocessors

Mathematics (Applied): Signals & Systems (Laplace & Fourier Transforms), Multivariable Calculus

PROJECTS

Face Recognition Attendance Engine
GitHub: https://github.com/NishantNN/Face-Recognition-Attendance-Engine
C++, OpenCV, CMake

- Built an automated attendance system using computer vision techniques.
- Implemented Haar Cascade for face detection and a custom recognition pipeline optimized using Mean Squared Error (MSE).
- Focused on balancing recognition accuracy and computational efficiency through modular C++ design.

Amarkalyan Model Secondary School Website
Live: https://amarkalyan.edu.np
GitHub: https://github.com/NishantNN/Amarkalyan-SS-
HTML, CSS, JavaScript, SCSS, Firebase

- Designed and deployed a production website for a secondary school with real users.
- Implemented an admin panel for managing notices and website content.
- Used Firebase for backend services and authentication.

Personal Portfolio Website
Live: https://nishantapoudel.com.np

GitHub: https://github.com/NishantNN/Minimal-portfolio
HTML, CSS, JavaScript

- Designed and deployed a minimal, performance-oriented personal portfolio.
- Focused on clean UI, responsiveness, and readability.

Quick Quiz – CS50P Final Project
GitHub: https://github.com/NishantNN/CS50P-Final-Project
Python

- Developed a configurable quiz system allowing users to define question criteria dynamically.
- Emphasized modular logic and user-driven flow.

EDUCATION

Institute of Engineering, Thapathali Campus
Bachelor's in Electronics, Communication and Information Engineering
2024 – Present
GPA: 3.84 / 4.00

Kanchanjunga English Secondary School
+2 Science (2021 – 2023)
GPA: 3.63/4.00

CERTIFICATIONS

CS50 – Introduction to Programming with Python (Harvard University)
Certificate: https://certificates.cs50.io/a336039d-ee9b-4efa-8346-6b184ab69d9a.pdf