

Ayush Prajapati

Bhaktapur, Nepal

ayushpjpt10@gmail.com — +977-9763694950

Website — LinkedIn — GitHub —

AI & ML Enthusiast

Computer Engineering undergraduate specializing in Artificial Intelligence and Machine Learning, with experience in machine learning pipelines, feature engineering, model evaluation, and scalable deployment.

Technical Skills

Languages: Python, C, C++, JavaScript, SQL

Libraries: PyTorch, scikit-learn, NumPy, Pandas, FastAPI, Django

GUI Development: Tkinter

Tools: Git, Jupyter Notebook

Domains: Machine Learning, Deep Learning, Computer Vision, Backend Development

Projects

Preacher – Gesture Controlled 3D Model Viewer 2024

- Developed a system that allows manipulation of 3D wireframe models using hand gestures.
- Implemented gesture recognition using computer vision techniques.
- Enabled rotation, translation, and scaling of objects in real time.

UI Component Detection, Classification and Evaluation 2026

- Developed a computer vision system to detect and classify UI components using YOLO and CNN models.
- Contributed to dataset preparation, annotation, and preprocessing for training deep learning models.
- Collaborated as part of a team for the design and implementation of the system as a minor project.

Education

Bachelor in Computer Engineering 2023 – Present

IOE, Pulchowk Campus, Lalitpur, Nepal

+2 Science 2020 – 2022

St. Xavier's College, Maitighar

Leadership & Activities

Candidate – Free Students' Union Election 2025

- Ran as candidate for member representing student interests at Pulchowk Campus.
- Engaged with students to discuss academic issues and campus improvements.

Organizer – LOCUS Cup Football Tournament 2026

- Coordinated match scheduling and logistics for the inter-department football tournament.
- Managed communication between teams and ensured smooth event execution.

Secretary – Engineering Students' Group of Bhaktapur (ESGB) 2025-2026

- Assisted in organizing a Blood Donation Program.
- Helped coordinate a Ranjana Lipi Workshop for students.