

Navin Gyawali

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LinkedIn — GitHub — Portfolio

Summary

Artificial Intelligence graduate with experience in Machine Learning, Natural Language Processing, and Computer Vision. Skilled in building intelligent systems using Python, deep learning frameworks, and transformer models including YOLOv8, HuggingFace Transformers, and LangChain.

Education

Kathmandu University, Nepal
B.Tech in Artificial Intelligence

Dec 2021– March 2026
CGPA: 3.798/4.0

Technical Skills

Languages: Python, SQL

AI/ML: TensorFlow, PyTorch, Scikit-learn, YOLOv8

NLP: HuggingFace Transformers, M2M100, LangChain, RAG

Data: Pandas, NumPy, Matplotlib

Tools: Jupyter, VS Code, Streamlit, Selenium, MySQL

Experience

Digital Transformation Intern — Unilever Nepal

Aug–Nov 2025

Worked on business workflow automation using Microsoft Power Apps and Power Automate. Designed structured SharePoint data systems and implemented Python-based web scraping pipelines to automate data collection for internal analytics.

Machine Learning Intern — Prodigy Info Tech

Dec 2023–Jan 2024

Performed exploratory data analysis and visualization using Pandas, NumPy, and Matplotlib. Developed regression and clustering models using Scikit-learn for structured datasets.

Projects

AI Animal Detection System

[Python, YOLOv8, PyTorch]

Developed an object detection system trained on a custom animal dataset to detect livestock and wildlife from CCTV feeds using transfer learning techniques.

Nepali Translation Model

[Python, HuggingFace, Transformers]

Fine-tuned Meta's multilingual M2M100 transformer model for English–Nepali translation and evaluated performance using BERTScore.

RAG-based Knowledge Chatbot

[Python, LangChain, LLM, Gradio]

Built a question-answering chatbot integrating document retrieval with LLM responses to answer queries from Bhagavad Gita texts.

E-commerce Data Scraper

[Python, Selenium, Streamlit]

Developed a web scraping pipeline to collect product information from Daraz and visualize pricing trends through an interactive dashboard.

Achievements

1st Place — KEC Hack-a-LITE 2024 (AI wildlife monitoring system)

3rd Runner-up — KU AI Crusade 2024 (RAG-based search system)