

Nigam Niraula

Student, Researcher, Programmer

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in <https://www.linkedin.com/in/nigam-niraula-564208215/> 🌐 <https://github.com/ninix07>

🖱 <https://nigamniraula.com.np/>

Education

Bachelors in Computer Engineering, *Kathmandu University School of Engineering* 03/2020 – present
Dhulikhel, Nepal

+2 Science, *SOS Hermann Gmeiner School Sanothimi* 2018 – 2020
Bhaktapur, Nepal

Skills

Technology

TensorFlow, PyTorch, Python, Javascript, React, NodeJs, C++, GIT, Bash

Research

Latex, Documentation, Deep Learning, Machine Learning, Computer Vision

Projects

Autoffic

A software for automating the traffic flow of an intersection by controlling the traffic lights via the input through Computer Vision and output through RL.

Prabigya

A simple VS code extension to suggest variable names based on the comment by programmers for enhancing readability of program by using LLM (Bard).

Prophecy

A battery monitoring system powered by RUST and ML for motoring battery status and predicting the battery status using neural network and regression algorithms

Professional Experience

Intern– Dynamic Image Tagging Project

11/2023 – present
Dhulikhel, Nepal

- Worked on image detection using CNN
- Worked on image generation for a given tag using GAN

Project Manager:

Mr. Dhiraj Shrestha, Assistant Professor, Kathmandu University.
(Contact: +977 9840052596).

Publications

Hybrid Approach for Enhancing Traffic Signal Control with Computer Vision and Reinforcement Learning,
2023 14th International Conference on Computing Communication and Networking Technologies (ICCCNT) 

Interests

- Programming
- Entrepreneurship
- Football
- Research
- Books
- Cricket
- Innovation
- Chess
- Video Games

Certificates

Supervised Machine Learning: Regression and Classification

*Provided by Dr. Andrew NG,
Coursera*

Python For Everybody

*Provided by Dr.Charles Severance,
Coursera*

Programming Fundamentals

Duke University, Coursera

Languages

English (*Proficient*) | **Nepali** (*Native*) | **Hindi** (*Fluent*)