



UNDERGRADUATE GEOMATICS ENGINEER

Pritam Gurung

I'm an enthusiastic Geomatics Engineering student currently studying at IOE, WRC, Nepal with the field of interest at GIS, Remote Sensing, GNSS, Surveying, Web GIS, and Land administration.

EXPERIENCE

Computer Vision Intern

Geoinformatics Center AIT / Bangkok, Thailand / March, 2023 - May, 2023

- Prepared a sanitized and merged dataset of floating plastic litter images.
- Experimented with different object detection algorithms such as YOLOV8, YOLO-NAS, Detectron2 Faster RCNN to develop a well-trained deep learning model that can detect floating plastic litter in images with high precision and recall values.
- Developed an API that can detect floating plastic litter in images using Django, python web framework, HTML and CSS.

TRAINING/CERTIFICATIONS

Training on DGPS and Terrestrial LiDAR Scanner

Paschimanchal Campus / 2022

It was training on DGPS AND Terrestrial LiDAR Scanner organized by Center for Space Science and Geomatics Studies , Department of Geomatics Engineering which was supported by University Grants Commission and paschimanchal Campus, Pokhara.

Web Designing

SEGA Computer Link / 2016

This was a web development course of 3 months which includes HTML, CSS, Adobe Photoshop, Javascript and Wordpress and certified by Federation of Computer Association Nepal.

EDUCATION

Bachelors in Geomatics Engineering

IOE, Paschimanchal Campus / Pokhara / September, 2018 - Present

PROJECTS

Web Application Development

CONTACT

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SKILLS

- GIS - Experienced
- Python Programming Language - Experienced
- Surveying - Experienced

LANGUAGE

Nepali	● ● ● ● ●
English	● ● ● ● ●
Hindi	● ● ● ○ ○

- Built a deep learning image classification model to classify the amount of moisture in tomato leaves.
- Deployed the model into the web application using python web framework flask.

https://github.com/gurunzpritam/finalyearproject/tree/main/FLASK_FINAL

Network Analysis in ArcGIS

- Done GPS survey of whole Pokhara municipality and collected spatial and attribute data of bus and taxi stations.
- Created a distance and cost analysis map by taking Pokhara Baglung Bus Park as service area
- Participated in Map Design Competition organized by NGES