

DIPIKA OLI

Geomatics Engineering Student

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ABOUT ME

Motivated and passionate Geomatics Engineering undergraduate at Kathmandu University with strong interests in GIS, Remote Sensing, Surveying, Web Mapping, and Spatial Data Analysis. Interested in geospatial technologies, environmental mapping, and research activities while continuously improving technical and communication skills.

EDUCATION

Bachelor in Geomatics Engineering

Kathmandu University, Dhulikhel Kavre (2022 – Current)

+2 Science

CCRC College, Koteshwor, Kathmandu (2019 – 2021)

TECHNICAL SKILLS

- GIS Analysis and Spatial Mapping
- Remote Sensing Techniques
- Surveying and Field Data Collection
- Thematic Map Preparation
- Python (Basic), HTML & CSS
- Communication and Presentation Skills
- Teamwork and Leadership

ACADEMIC PROJECTS

Flood Susceptibility Analysis using GIS and AHP

- Prepared thematic maps using GIS techniques.
- Analyzed elevation, slope, drainage density, and river distance factors.
- Applied AHP for flood susceptibility mapping.
- Performed spatial analysis for environmental risk assessment.

EXPERIENCE & LEADERSHIP

- Executive Member – CCRC Club of Humanity
- Organizing Committee Member – NepGeom Pre-events
- Volunteer – 7th Edition Harvard Health Systems Innovation Lab Hackathon
- Participated in university technical and social activities

WORKSHOPS & TRAINING

- OpenStreetMap (OSM) Workshop
- CORS Training Sessions
- Google Earth Engine Workshop
- Remote Sensing and GIS Training

INTERESTS & HOBBIES

- GIS and Remote Sensing
- Disaster Risk Mapping
- Learning New Technologies
- Running and Jogging
- Exploring Maps and Geospatial Applications