



# SIMRAN KHATRI

GEOMATICS ENGINEERING UNDERGRADUATE

I am a dedicated Geomatics Engineering student at Kathmandu University with interests in GIS analysis, remote sensing, cartography, and spatial data visualization. Passionate about applying geospatial technologies for real-world problem solving and research.

## EXPERIENCE

### ACADEMIC PROJECTS

#### Landslide Susceptibility Mapping using GIS-based AHP

2025

- Developed susceptibility maps using GIS and AHP
- Integrated slope, rainfall, geology, and land use data
- Achieved good prediction accuracy

#### ROLE OF AI IN PROPERTY VALUATION

2025

- Studied AI applications in real estate valuation
- Compared global and Nepalese practices
- Identified opportunities and challenges

#### GIS MAPPING & VISUALIZATION PROJECTS

2024 – Present

- Produced thematic maps and spatial analysis outputs
- Worked with ArcGIS and Google Earth Engine

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## SKILLS

- ArcGIS
- Cartography
- Web Mapping
- GIS Analysis
- Google Earth Engine
- Microsoft Office

## EDUCATION

### KATHMANDU UNIVERSITY

Bachelor in Geomatics Engineering  
2022 – Present

### KHWOPA SECONDARY SCHOOL

+2 Science

### SIDDHARTHA VANASTHALI INSTITUTE

SEE

## CERTIFICATIONS

Geo Idea Contest Participation

Editor – Interact Club

## RESEARCH INTEREST

AI in Geospatial Applications

Spatial Data Visualization

Remote Sensing