

Pratiksha Dahal

Geomatics Engineer | Web GIS Developer

✉ dahalpratiksha409@gmail.com [in linkedin.com/in/pratiksha-dahal](https://www.linkedin.com/in/pratiksha-dahal)

github.com/Pratiksha_2526

Professional Summary

Geomatics Engineer specializing in Remote Sensing, GIS, and Web Mapping with expertise in spatial data analysis and full-stack web development. Passionate about creating interactive mapping solutions and leveraging geospatial technologies for smart decision-making.

Education

Bachelor in Geomatics Engineering

Kathmandu University

Specialized in Remote Sensing, GIS, and Web Mapping

Key coursework: Spatial Databases, Web GIS Development, Remote Sensing Applications, Geospatial Analysis

Technical Skills

Web GIS Development

- Leaflet/OpenLayers
- Turf.js
- GeoServer
- PostGIS

Programming

- JavaScript (Node.js, Express)
- Python (Pandas, GeoPandas)
- HTML/CSS
- MongoDB

GIS & Remote Sensing

- QGIS/ArcGIS
- ENVI
- Spatial Analysis
- Image Classification

Tools & Platforms

- Git/GitHub
- Docker
- VS Code
- Jupyter Notebooks

Projects

Mood Mapping Web GIS App

Full-stack Development

- Developed interactive web mapping application using Leaflet and MongoDB
- Implemented spatial tools: distance measurement, layer filtering, data export
- Created data visualization dashboard with Chart.js
- Technologies: Node.js, Express, Turf.js, MongoDB Atlas