

# Moslem Miah

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## About:

A highly motivated and skilled Remote Sensing and GIS professional proficient in GIS applications and satellite image processing techniques. I am passionate about applying my expertise to solve real-world challenges through the analysis of geospatial data. I am seeking opportunities to contribute to innovative projects, further develop my skills, and expand my knowledge of emerging technologies in the field.

## Experience:

**GIS Engineer at NeoGeoInfo Technologies Private Limited** – From Oct 2024 to Present

- Assisted in developing and maintaining GIS databases, ensuring data accuracy and integrity.
- Collaborated with team members on projects to deliver comprehensive geospatial solutions.
- Provided training to team members on GIS tools and applications.

**ITES Executive at Imerit Technologies, Kolkata** – From Sep 2024 to Oct 2024

- Lidar data processing.
- 2D & 3D annotation, Semantic Segmentation.

## **Academic Project:**

1. **Prediction of Flash Flood Susceptibility Zone using Machine Learning and Advanced Geospatial Techniques in parts of Teesta Basin, India.**
  - Utilized Python for data preprocessing and machine learning model development.
  - Utilized Google Earth Engine for large-scale geospatial analysis.
  - Synthetic Aperture Radar (SAR) data to enhance flood prediction accuracy.
  - Applied machine learning algorithms to identify flash flood susceptibility zones.
  - Created maps and reports for effective visualization of results.
2. **Analysis of Landslide Susceptibility Zone of West and South Sikkim using Analytical Hierarchy Process and Geo-spatial Techniques.**
  - Utilized Analytical Hierarchy Process for Multicriteria Decision Making.

## Education:

- **Master of Science in Remote Sensing and GIS (2022-2024)** at **Vidyasagar University** – Midnapore, India  
CGPA: 9.33

- **Bachelor of Arts in Geography** (2019-2022) at **Sitalkuchi College, Cooch Behar Panchanan Barma University** – Cooch Behar, India  
CGPA: 9.31

### Skills & Abilities:

Remote Sensing | SAR data processing | Multispectral & Hyperspectral Remote Sensing | Digital Image Processing | GIS | Advance Digitization | Machine Learning

**Programming:** Python | R | JavaScript | HTML | CSS

**Software & Platforms:** ArcGIS | QGIS | Google Earth Engine | AutoCad | Erdas Imagine | ENVI | SNAP | Climate Engine

**Soft Skills:** Teamwork | Communication | Time Management

**Others:** Microsoft Office | Git & GitHub | DBMS

### Certification:

- Data Analysis with Python, freeCodeCamp, June 2025
- Master HTML and CSS by Building Real World Projects, Udemy, Feb 2024.
- Crash Course on Python, Google, Coursera, May 2023.
- Intro to Programming, Kaggle Learn.
- Coordinate Reference Systems, Projections, and Spatial Data Representation, GEO University, Feb 2023.
- Diploma in Computer Application, EYVTI, 2019.

### Language:

English | Hindi | Bengali (Native Proficiency)

### Activities and Interests:

Travel, teaching, music, typing.

### References:

1. **Dr. Jatisankar Bandyopadhyay**  
Associate Professor, Department of Remote Sensing and GIS  
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