

SUDIPTA DUTTA

+91 8101996749

Bankura, West Bengal

sudiptadutta072@gmail.com

Career Objective

M.Sc. Geo-Informatics student specializing in Forestry & Climate, skilled in QGIS, ArcGIS, and GEE. Passionate about sustainable ecosystems with experience in ground truthing, LULC, cadastral mapping, and footprint digitization. Worked on DRRP and Digital India Land Records Modernization Programme involving shape file editing, geodatabase creation, and map validation.

Academic Details

- Completed M.Sc. in Geo-Informatics from Bankura University, CGPA 8.82/10 (82.56%)
- B.Sc. in Geography from Panchmura Mahavidyalaya, in 2022 with CGPA- 8.72/10 (81.07%)

Experience

Mitiosys Services Pvt. Ltd. Duration 3 Months (20th June to 30th August 2024)

Geo Infra Global Solution (3rd March to Present)

Project

- **Forest Fire Risk Zone Mapping Using Analytic Hierarchy Process (AHP)**
Forest fire risk zone mapping in Bankura, Puruliya, Jhargram & Medinipur district using AHP method and change detection.
- **Field Report on Western Ghats**
A case study in the study area (Western Ghats) includes the cities and landscapes of Kochi, Ernakulam, Idukki, Udupi, Arambol, and Margao, among other different regions (Kerala, Karnataka & Goa). Here showing Elevation, Slope, Normalized Difference Vegetation Index (NDVI), Land Use Land Cover (LULC) and distribution of Rainfall.
- **Forest Biomass Estimation using Sentinel 2 dataset's in GEE with Machine Learning Algorithm.**
A case study in Joypur and Bishnupur range with the field Inventory dataset for Above Ground Biomass calculation and use Random Forest Regression Model & Linear Regression for Correlation.
- **Technical Skills**
 - ❖ **GIS Software's:** QGIS, ArcGIS, ArcGIS Pro, Google Earth Pro & Google Earth Engine
 - ❖ **Specialization:** Forestry & Climate
 - ❖ **Programming Language:** Basics of Python

Training and Certifications

- Geo data Processing using Python – [IIRS Outreach Programme](#)
- RS & GIS Application in Natural Resource Management – [IIRS Outreach Programme](#)
- Drone Technology and It's Application – [SIG](#)
- Introduction of LIDAR Technology – [ISG](#)
- SAR Data Processing & it's Applications with Special Emphasis on RISAT-1A/EOS-4 – [IIRS Outreach Programme](#)

Hobbies and Interest

I enjoy meeting new people, exploring my research interests, coding and discovering new places. These activities keep me curious, help me learn, and broaden my perspectives.

Declaration

I hereby declare that above information is correct to the best of my knowledge and belief.

Date: 21/08/2025



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