

ANKUSH CHAKRABORTY

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Professional Summary

Results-driven GIS Analyst Intern with practical experience at Vasundharaa Geo Technologies, Pune, focused on geospatial data processing, remote sensing, and spatial analysis. Proficient in industry-standard GIS software including ArcGIS Pro, QGIS, and Google Earth Pro, with hands-on skills in map creation, spatial modeling, and raster-vector data conversion. Demonstrated expertise in satellite image classification, forest fire risk assessment, and training data preparation for machine learning models. Skilled in georeferencing, digitization, DEM processing, and layer reclassification. Collaborative team player with experience in environmental monitoring, urban analysis, and decision support systems.

Experience

Vasundharaa Geo Technologies Pvt. Ltd.	Pune, India
<i>GIS Intern</i>	Jan 2025 – Apr 2025
<ul style="list-style-type: none">- Executed forest fire classification and frequency analysis using remote sensing data.- Prepared high-quality training datasets for deep learning and machine learning models.- Conducted geospatial data processing and spatial analysis for urban and environmental studies.- Performed digitization, map design, and spatial modeling for web-based applications.- Utilized raster-vector conversion and layer reclassification to streamline GIS workflows.	

Education

Savitribai Phule Pune University	Pune, India
M.Sc. in Geoinformatics	Expected 2026
University of Calcutta	Kolkata, India
B.Sc. (Hons) in Geography	2024
West Bengal Council of Higher Secondary Education	Kolkata, India
Class XII	2021

Technical Skills

GIS Software: ArcGIS Pro, QGIS, Google Earth Pro, ERDAS IMAGINE, Google Earth Engine (Basic)
Data Acquisition: Total Station, GPS, DGPS, UAV, Mission Planner
Database Management: Basic SQL
Tools: Microsoft Office, Tableau, Power BI, GeoSetter
Soft Skills: Team Leadership, Time Management, Adaptability

Projects

GIS-Based Assessment of Transportation Network Impacts on Air Quality, Climate Vulnerability, and Health in Kolkata
<ul style="list-style-type: none">- Assessed impacts of transportation networks on air quality, climate vulnerability, and public health.- Analyzed spatial correlations between traffic density and environmental health indicators using GIS.

Spatio-Temporal Change Detection — Mukutmanipur Region (2014–2024)

- Analyzed decadal land cover changes using multi-temporal Landsat 8 imagery and QGIS.
- Integrated remote sensing indices with 3D terrain modeling and contour mapping.

Conference Presentation

National Conference on Geospatial Technologies and Sustainable Landscapes (GTSL–2026)

Feb 2026

Department of Geography (Geoinformatics), Savitribai Phule Pune University

Certifications

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- Advanced Geospatial Technology & Its Application Research, IIARI (July 2024)
 - QGIS and Its Applications, IIARI (May 2024)
 - Information Technology Certification, Ramakrishna Vivekananda Mission (2018)

Additional Information

Languages: English, Hindi, Bengali

Interests: Landscape and Rail Photography, Long-distance Cycling, Trekking, Cooking