

PRIYANKA PRAMANIK

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Purbakola, Naikuri, Tamluk, East Medinipur, West Bengal, 721630



Education

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2023 – 2025 **M.Sc. Geoinformatics : Central university of Jharkhand, Jharkhand**

- *First Division with Distinction*
- *CGPA: 8.32*
- *Specialization in Geoinformatics Application in Cryospheric Studies*
- *Thesis title: Geomorphological Mapping of Glacial and Paraglacial Landforms in Nubra - Shyok Valley and Prediction of Avalanche Susceptibility Mapping using Remote Sensing Techniques (Under the supervision of Dr . Chandra Shekhar Dwivedi, Department of Geoinformatics , Central university Of Jharkhand, Ranchi).*

2019-2022 **B.Sc. Geography (Hons.) : Haldia Government College(Vidyasagar University), WB**

- *First Division*
- *CGPA: 8.55*
- *Field work in Industrial Air pollution In Haldia (Under The Supervision of Mr. Pranay Santra , Assistant professor, WBES, Haldia Government college)*

2019 **Higher Secondary Education : Khamarchak High School ,Khamarchak , West Bengal**

- *First Division*
- *with 83% marks*
- *Bengali, English, Biology, Geography, Chemistry, and Nutrition*

2017 **Naikuri Dharanidhar Balika Vidyalaya (Secondary Education), Naikuri, West Bengal**

- *First Division*
- *With 67% marks*
- *With Bengali, English, Mathematics, Physical Science, Life science , History, Geography*

Skills

Languages **Reading, writing and speaking competencies for English, Hindi, Bengali.**

Softwares **Python, R, Jupyter(Notebook), ERDAS, ArcGIs, Google Earth Engine, Google Earth Pro, Artificial Intelligence, Machine Learning , Deep Learning, Ms . Office Suite(Word, Excel, Powerpoint).**

Specialized **Remote sensing and GIS , Statistical & Predictive Modelling, Hazard Modelling & Prediction , Geomorphology Of Glaciers , Para glacial Landforms**

Publications

Journal Articles / Preprints

- 1 Manauwar Bin Ehsan, Mohd Talha Anees, Priyanka Pramanik, et al. (2025). "From Empirical Curves to AI-Derived Rainfall Thresholds for Landslide Initiation in Peninsular Malaysia." *EarthArXiv*. Status: Under Peer Review. DOI: 10.31223/X58F4W.

Hobbies and Interests

Content Creator : Founder and content creator of "Scientific Skin Script," a YouTube channel dedicated to synthesizing complex scientific research into accessible beauty and skincare analysis.

Musical Arts: Passionate vocalist and guitarist with a focus on creative musical performance and development.

Multilingual Engagement: Proficient in English, Hindi, and Bengali, facilitating effective communication and networking across diverse academic and social environments.

Certification & Workshops

Awards and Achievements

2024  Best Trainee Award, NIT Raipur (CEC) – Artificial Intelligence & Machine Learning Innovations in Geology and Water Resources (AIMLIGWR-2024) | Department of Applied Geology, IT, and Civil Engineering

Certification

2025  Advanced Drone Technology (Air Taxi) Workshop, 3-Day Session | Bharat Space Education Research Centre (भारत अंतरिक्ष अनुसंधान केंद्र) | 15th – 17th August 2025

2025  One Week ISTE-ISSE Approved "Geotechnical Engineering Aspects of Infrastructure Projects | Vidyavardhini's College of Engineering & Technology, Jan 2025

2025  Partially Participated in UMRIIS 2025 |Manauwar Bin Ehsan, Mohd Talha Anees, Priyanka Pramanik, et al. (2025). "From Empirical Curves to AI-Derived Rainfall Thresholds for Landslide Initiation in Peninsular Malaysia." *EarthArXiv*. DOI: 10.31223/X58F4W. [Status: Preprint / Under Peer Review]].[participated as co-author] | OCT, 2025

2024  NIT Raipur (CEC) – Certification Course on Artificial Intelligence & Machine Learning Innovations in Geology and Water Resources (AIMLIGWR-2024) Awarded Best Trainee | Department of Applied Geology, IT, and Civil Engineering | Climate Parameters Modelling using Random Forest Algorithm ; Sahir Mohammed , Samadrita Das Barman, Manauwar Bin Ehsan, Ghongade Manojkumar Dattatrya, Priyanka Pramanik, Vishnu Manoj | Aug 2024.

2023  Geodataprocessing using Python | IIRS-ISRO Distance Learning (CEOS), July 2023

2023  Overview of Free and Open Source Software For Geospatial Technology (FOSS4G)| Indian Institute of Remote Sensing (IIRS-ISRO, Dehradun), Apr,2023

2023  RS-GIS applications in Atmospheric and Oceanic Hazards| Indian Institute of Remote Sensing (IIRS-ISRO, Dehradun), Feb, 2023

- 2023  *Advances in Remote Sensing Techniques for Geological Applications / Indian Institute of Remote Sensing (IIRS-ISRO, Dehradun), Mar, 2023*
- 2023  *SAR Data Processing & its Application With Special Emphasis on RISAT-1A / EOS - 4 / Indian Institute of Remote Sensing (IIRS-ISRO, Dehradun), Apr,2023.*
- 2022  *Online Course on “Geo-data Sharing and Cyber Security” / Indian Institute of Remote Sensing (IIRS-ISRO), Dehradun, Oct 2022*
- 2022  *“Applications of Machine Learning in Urban Studies” / Indian Institute of Remote Sensing (IIRS-ISRO, Dehradun, Jun 2022*
- 2022  *Certification – Geospatial Technology for Archaeological Studies / IIRS Distance Learning Programme (IRS-ISRO, Dehradun) / Aug 2022*

