

Deepa Kumari

GIS Engineer

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SUMMARY

GIS & Geoinformatics Professional with M.Sc. in Geoinformatics, skilled in GIS Modeling, Spatial Analysis, Remote Sensing, and Geospatial Data Management. Proficient in QGIS, ArcGIS, Python, spatial data processing, and thematic mapping, with hands-on experience in developing GIS workflows, validating spatial data, field surveys, and GIS-based environmental and land management applications.

EDUCATION

IGNOU

M.Sc. Geoinformatics, 74.15%

2023 – 2025

University of Allahabad

M.A. Geography, 88.35%

2020 – 2022

EXPERIENCE

Forest Researcher

Sep 2025 – Jan 2026

Forest Project Work

- Developed, managed, and updated spatial datasets by integrating satellite imagery, GPS/DGPS survey data, and field observations.
- Prepare thematic maps, technical reports, and geospatial analysis outputs.
- Support forest resource assessment, ecosystem monitoring, and environmental studies.
- Produced thematic maps, spatial analysis outputs, and technical reports for environmental studies.
- Validated geospatial datasets and maintained quality assurance standards for project deliverables.
- Contributed to ecosystem monitoring, vegetation health assessment, and sustainable natural resource management through geospatial technologies.
- Managing and updating spatial data and project information on the e-Green Watch portal for monitoring and reporting purposes.

Block GIS Coordinator

December 2023 – March 2025

MGNREGA

- Developed and maintained village-level GIS layers supporting watershed and natural resource planning Initiatives.
- Received formal training on Yuktadhara Geospatial Planning Portal through SIRD.
- Integrated satellite imagery with field survey data for watershed planning.
- Conducted spatial planning and GIS-based analysis.
- Performed DGPS/GNSS surveys and field verification activities.
- Collaborated with government departments, technical teams, and local stakeholders to support GIS-based planning workflows.

GIS Intern

June 2023 – December 2023

Forest Department, Jharkhand

- Assisted in forest mapping and geospatial analysis activities.
- Conducted DGPS-based forest boundary verification.
- Supported encroachment detection using GIS and Remote Sensing.