

ANIL KUMAR RAUT

BSc Forestry Graduate | GIS, Remote Sensing & Wildlife Conservation

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OBJECTIVE

Forestry graduate seeking a funded research or teaching assistantship for a thesis-based Master's in forestry / natural resources. Build on hands-on field experience in forest inventory, carbon monitoring, GIS and remote sensing, and wildlife habitat assessment to contribute to applied geospatial and conservation research.

EDUCATION

BSc Forestry, Institute of Forestry, Pokhara Campus, Tribhuvan University 2026 | 81% (*Distinction*)

- Relevant coursework: GIS & Remote Sensing, Forest Inventory & Biometrics, Forest Mensuration, Wildlife Management, Silviculture, Forest Ecology, Watershed Management, Biodiversity Conservation, Forest Management & Planning.
- Undergraduate thesis: Public perception on urban forestry and willingness to pay for urban tree management in Kathmandu metropolitan city

Higher Secondary (+2 Science), Morning Glory Secondary School, Mahendranagar 2022 | GPA 3.53

SEE, Gyan Batika Boarding School, Kanchanpur 2019 | GPA 3.7

RESEARCH EXPERIENCE

Lead Researcher – Habitat Assessment and threats to critically endangered Bengal Florican in Shuklaphanta National Park *Rising Explorers Club Grant* | *Shuklaphanta National Park* | *Apr 2026*

- Secured a competitive Rising Explorers Club research grant to independently design and lead a field study of the Critically Endangered Bengal Florican.
- Conducted systematic grassland-habitat assessment, recording vegetation structure, threats and land-use pressures using GPS and standardized field protocols.
- Compiled and organized spatial and habitat data to support species-conservation analysis.

Forest Inventory Intern – Forest Research and Training Centre (FRTC) *Forest Inventory & Carbon Monitoring Section, Kathmandu* | *Nov 2024 - Mar 2025*

- Carried out Trees Outside Forest (TOF) inventory across Madhesh Province under the national Forest Inventory and Carbon Monitoring program.
- Measured biophysical tree parameters and recorded GPS plot locations for forest-carbon estimation; supported data entry and quality control.

Field Researcher – OECM Socio-Ecological Study *Chitwan* | *Apr 2025*

- Administered structured household surveys and collected biophysical and habitat data for an Other Effective Area-based Conservation Measures (OECM) assessment.
- Integrated socio-ecological and spatial data to inform area-based conservation planning.

Forestry Field Team Member – Environmental Impact Assessment (EIA) *Khimti Hydropower Project, Dolakha* | *May 2023*

- Collected vegetation and environmental baseline data; performed vegetation sampling, species identification and field documentation.

FIELD & PRACTICAL TRAINING

- Preparation of a 5-Year Community Forest Operational Plan – Hile CF, Salyan (May 2025): forest inventory, resource assessment, zoning and sustainable-use planning.

- Seed Stand Establishment, *Taxus wallichiana* – Mustang (May 2025): identified, selected and marked elite plus-trees of a high-value medicinal conifer.
- Silvicultural Operations in Community Forests – Kapilvastu (Dec 2023): thinning, pruning and stand-improvement to enhance productivity.

TECHNICAL & COMPUTER SKILLS

- Geospatial: ArcGIS (advanced); GPS-based field mapping & plot layout; remote-sensing image interpretation; QGIS, Google Earth Engine.
- Forestry & ecology: forest inventory & biometrics, silviculture, habitat assessment, vegetation sampling, EIA support, forest-carbon measurement.
- Data & tools: MS Office, Google Workspace, data entry & management; AI tools & prompting.
- Survey methods: structured household / socio-ecological surveys; ornithological survey techniques.

CERTIFICATIONS & TRAINING

- GIS & Remote Sensing Training – Institute of Forestry, Pokhara.
- Ornithology for Undergraduates – Bird Conservation Nepal, Pokhara.

AWARDS & GRANTS

- Rising Explorers Club Research Grant, 2026 - competitive grant funding an independent field study of Bengal Florican habitat [\$1792.00].
- Merit-Based Scholarship, Institute of Forestry (2021-2025).

LEADERSHIP & ENGAGEMENT

- Former Board Member, National Youth for Climate Action (NYCA), Pokhara.

LANGUAGES

English (professional working proficiency) • Nepali (native) • Hindi (fluent) • Maithili (conversational)

REFERENCES

- Yajna Prasad Timilsina, Professor, Tribhuvan University, Institute of Forestry, Pokhara Campus
– *Department of Statistics [Email: yptimilsina@iofpc.edu.np]*
- Suman Bhattarai, Assistant Professor, Tribhuvan University, Institute of Forestry, Pokhara Campus
– *Department of Forest Management [Email: sbhattarai@iofpc.edu.np]*
- Muna Neupane, Investigation Officer, Forest Research and Training Center, Babarmahal Kathmandu
– *Forest Inventory and Carbon Monitoring Section [Email: munanyaupane2020@gmail.com]*