

Rasila Gautam

Kathmandu, Nepal — Phone: +977 9868125455

Email: rasilagautam2@gmail.com — LinkedIn: linkedin.com/in/rasilagautam123

Personal Statement

A dedicated Environmental Science graduate with five years of academic and research experience in climate change, hydrological modeling, and environmental sustainability. Experienced in high-altitude field studies, data analysis, and climate impact assessments, I am eager to contribute to research on water cycles and precipitation patterns in mountainous regions. Strengths include interdisciplinary collaboration, problem-solving, and innovative thinking.

Education

M.Sc. in Environmental Science

College of Applied Sciences, Tribhuvan University

Graduation: 2024

Thesis: "Impact of Climatic Variables on Crop Production in Janaki Rural Municipality, Banke, Nepal"

Relevant coursework: Climate Modeling, GIS, Atmospheric Science

B.Sc. in Environmental Science

Trichandra Multiple Campus, Tribhuvan University

Graduation: 2018

Thesis: "Water Quality Assessment of Bagmati River in Kathmandu"

Relevant coursework: EIA, Field Methods in Environmental Science

Research and Field Experience

Flood and Hydrological Modeling Project

Kathmandu, Nepal

2024

- Conducted flood frequency analysis using Gumbel's Method and HEC-HMS.
- Developed river channel geometry using HEC-RAS.
- Simulated rainfall data using Statistical Downscaling Modelling (SDSM).

Environmental Geological Study

Kakani Ranipauwa, Nuwakot, Nepal

2022

- Assessed ambient air quality and geological data collection.

Geological & Ecological Field Study

Malekhu – Pokhara, Nepal

2023

- Conducted geo-environmental study on rock mass classification and slope stability.
- Performed biodiversity assessments and fluvial deposit analysis.

Community-Based Disaster Risk Management

Budhanilkantha Municipality, Nepal

2023

- Led disaster risk management and solid waste management initiatives.
- Organized community engagement and field-based data collection.

Technical Skills

- **Programming:** Python (Basic), R (Intermediate)
- **Software:** GIS, SPSS, HEC-RAS, HEC-HMS
- **Data Analysis:** Climate and hydrological modeling, large-scale datasets
- **Languages:** Nepali (native), English (fluent), Hindi (conversational)

Professional Experience

GTE Officer / Documentation Officer

PRIDE ABROAD STUDIES PVT. LTD., Kathmandu, Nepal

2020 – Present

- Managed visa documentation for students applying to universities abroad.
- Guided applicants through research, submission, and application processes.

Action Learner

Volunteer Service Overseas (VSO) / International Citizen Service
2018

- Facilitated disaster risk reduction training and led awareness sessions.
- Coordinated community disaster preparedness programs.

Training and Certifications

- **GIS:** 1-month certification (2020)
- **Environmental Impact Assessment (EIA):** 3-week certification (2020)
- **Community-Based Emergency Response Training:** Nepal Red Cross Society (2019)

Leadership and Community Involvement

Board Member / General Member

Leo Club of Kathmandu Sauharda
2021 – Present

- Led heritage cleaning initiatives and disaster response efforts.
- Organized community engagement and fundraising activities.

References

Bhupendra Devkota, PhD

Principal, College of Applied Sciences, Nepal
Email: bhupendra.devkota@gmail.com

Dr. Hari Dahal

Professor of Agriculture and Research Methodology
Email: dahaldr.hari@gmail.com

Dr. Tirtha Raj Adhikari

Professor of Meteorology and Hydrology
Email: tirtha43@gmail.com