Raag Yatchu Maharjan

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Education

B.E. in Computer Engineering, Tribhuwan University, Kathmandu *2022–Present*
Expected Graduation: 2026
Relevant Coursework: Data Structures, Data Mining, Machine Learning & AI, Software Engineering

High School (Science), Gyanodaya Bal Batika, Lalitpur *2020–2022*

Technical Skills

Programming: Python, C, C++, Java, TeX, SQL, VHDL
Tools: Visual Studio, PyCharm, Git, Linux, MATLAB, LaTeX, GIS, Weka
Technologies: Machine Learning, Data Analysis, Computer Vision

Projects

Landfill Site Selection (Ongoing) *Major Project*
- Developing a data driven approach for landfill suitability and site selection using GIS and remote sensing data.

Urban Flood Risk Mapping (2024) *Minor Project*
- Created a pluvial flood prediction model integrating GIS datasets with deep learning.

Other Projects: Lighting Engine (Ray Casting), Game of Life (Rulesets), License Plate Detection (OpenCV, k-NN)

Relevant Experience

Hamro Bazzar Partnership Program 2023
- Coordinated interactive sessions with brand partners, company mentors, and guests.

Technorian Tech Fest Volunteer 2022
- Managed scheduling and supported the technical operations team.

Technorian Maze Solver Participant 2022
- Designed a resource-efficient base plate for the competition robot.

Achievements

Best Idea Award — Inter-college Hackathon (2024)

Languages

English (Fluent)
Nepali (Native Fluency)
Nepal-Bhasa (Native)

Interests and Hobbies

Game development, Hiking, Tinkering, Arts, Trekking, History