Sarita Sapkota

Student: Civil Engineer

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Profile

Dedicated civil engineering student passionate about AutoCAD design, surveying, and hydropower projects, with experience in fieldwork and sustainable infrastructure development. Ever ready to tackle challenges and enhance project efficiency.

Skills

- **Cad Tools** : AutoCAD 2D and 3D, SW-Road
- **Hydraulic and Water Resource Software**: EPANET and HEC-RAS
- **Structural Analysis and Modelling** : ETABS for Structural integrity and analysis
- **Surveying Tools** : Total Station, GPS and other Surveying equipments for site analsyis
- **Project Management and Documentation**: MicroSoft Word, Excel, MicroSoft Project, Canva
- **Soft Skills:** Effective Communication, Flexible, Fast-Paced, Leadership
- **Languages**: English(fluent), Nepali(Native)

Hobbies

- Table tennis
- Indoor plant gardening
- Travelling
- Cooking

Education

Bachelor in Civil Engineering(specialization in Hydropower)

Kathmandu University Graduation 2025 expected

- CGPA: **3.24 / 4.0** (average of six Semester)

Higher Level School in Science

Vidhya Mandir Secondary School 2018 - 2020

- CGPA: **3.02/ 4.0**

Secondary Level School(SEE)

Dhawalagiri Birendra Ma Vi Ratmata

- GPA: **3.35 / 4.0**

Projects

RUM project of sunkoshi hydropower projcet

- Led the RUM project for Sunkoshi Hydropower to optimize resources and operations with enhanced water and sediment management

Road -design of Mars nepal

- Designed road alignment for Nepal's Mars region using SW-Road, ensuring safety, efficiency, and minimal ecological impact.

Water flow -analysis of Punyamata river

- Conducted water flow analysis of Punyamata River using HEC-RAS and EPANET for flood prediction and resource management.

Demonstrative Model of Different Types of Footings

- Designed and built a demonstrative model showcasing various types of footings, emphasizing their structural significance and applications.

Demonstrative Model of Topography of Trishuli Hydropower

- Built a topographic model of Trishuli Hydropower, showcasing natural and manmade features.

Courses and Certifications

Introduction to Remote Sensing

- Geo University

AutoCad Essentials 2D and 3D

- SourceCAD

Water Supply Training

- Kathmandu University Civil Engineering Club

Municipal Drawing

- Kathmandu University Civil Engineering Club

Achievements and Honors

Executive Member at KU Indoor Club

KUIGC

Served as the Executive Member of Kathmandu University Indoor Games Club in 2023

Volunteering in Blood Donation Program by KUYRCC

KUYRCC, SANKALPA

Recognized for volunteering during Sankalpa'24 Bolood Donation Program organized by KUYRCC in collaboration with Sankalpa- annual event of KUCEC