

ANIM RAJBAHAK SHRESTHA

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Personal Statement:

An adventurous soul who loves to explore new ideas and try to create something unique using the skills and knowledge that I have.

Education and Qualifications

Kathmandu University (2018-2023)

- Bachelor of Engineering in Civil Engineering (Specialization in Hydropower)
- CGPA: 3.69
- **Thesis:** Potential Study of Manahari Storage Multipurpose Hydroelectric Project

St. Xavier's College (2016-2018)

- +2, Science (Biology Group)
- CGPA: 3.46

The Elite's Co-Ed (2008-2015)

- SLC
- GPA: 3.75

Work Experience

Internship at Sanima Middle Tamor Hydropower Ltd, 9 December 2022-9 January 2023

- Supervision of construction works at tunnels of HRT, Sedimentation basin (Quantity analysis, formwork placement, layout, bar bending and quality check)
- Quality control and lab work sieve analysis of backfill material and shotcrete mix.

Activities

Presentor at First International Conference on Space Utilization & Research in Underground Structures, 5-6 May 2022

- Topic: "Effect of Damage Zone Around an Excavation due to Blasting"

Participated at Himalayan Hydro Expo 2022, 2-4 April 2022

- Explanation of KU Research Tunnel

Participated in Bootcamp on Startup & Incubation, 29 April- 1 May 2022

- Facilitated by Kathmandu University- Directorate of Research, Development & Innovation

Participated in KU Hackfest22, 5-7 August 2022

- Created an application called AResto for Solving Classical Problem by Digitalizing Restaurant

Participated in Nepal Photo Contest 2075 organized by Photojournalist Club, 5 July 2018

- Reached final stage
- Exhibited photo in Nepal Art Council

Other Experience

Graphic designer for First International Conference on Space Utilization & Research in Underground Structures (SURUNG-I) , March-May 2022

- Designed Logo of the event along with all other designs including certificates and token of love

Head of Networking and Partnership for Hult Prize at Kathmandu University 2021/22

- Built relations for Hult Prize KU with other organizations

Graphics designer for Civil Insight- Vol IV, launched on 5 January 2022

- Responsible for entire layout, graphics and visual aesthetics of the magazine

Chief Editor for Civil Insight- Vol V, launched on 22 February 2023

- Oversaw all aspects of content creation and management for the magazine
- Responsible for entire editing as well as layout of the magazine

3D animation regarding KU research tunnel, December 2021

- Detailed video explaining the under construction KU research tunnel

AIESEC in Kathmandu University (2018-2019)

- National Support Team for Content Generations
- Core Committee Vice President for June National Conference

Executive Member & IT head of Eco club (2016-2018)

- Conducted various programs such as cleanliness and tree tagging.
- Conducted two dramas on topic "Surrogacy" and "Life of a Chemist."

Subordinator of 1st year interdepartmental cup 2019 in Kathmandu University

- Organized 8 different games for first year students.

Project

Working model of Tuned Mass Damper

- Physical model explaining the working process of Tuned Mass Damper
- Made using welded steel plates

Working model of Pumped Hydro

- Physical model explaining the working process of Pumped Hydro
- Made using motor, pipes

Flow analysis in Settling Basin

- Studied the variation of streamlines in a settling basin using computational fluid dynamics
- Used ANSYS student version

Potential Study of Manahari Storage Multipurpose Hydroelectric Project

- Topographical analysis using SRTM 1 Arc Sec DEM and Photogrammetry
- Hydrological Analysis using primary and secondary data (1964-2010AD) from DHM
- Reservoir Planning
- Hydraulic Design of Dam, energy dissipator, intake, penstock and powerhouse

Skills

Proficient in

- | | | |
|---------------------|----------------|-------------------------|
| • Microsoft Package | • SAP2000 | • AutoCAD |
| • Blender | • Premiere Pro | • Low poly 3D animation |

Intermediate in

- | | | |
|----------|-----------------------|-------------|
| • QGIS | • ANSYS | • Open Foam |
| • Python | • 2-D Modeling in RS2 | |

Languages

Proficient in

- Nepali
- English

Intermediate in

- Nepal Bhasa
- Hindi

Basic in

- German
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