ashimpanthi00@gmail.com **Ashim Panthi** linkedin.com/in/ashim-panthi-911b1a270

Education

Tribhuvan University, Advanced college of Engineering & Management **Kathmandu, Nepal**
Bachelor in Civil Engineering. Percentage: 75.02% **June, 2023**
Relevant Course Work: Computational Techniques, Structure Dynamic, Earthquake Resistance Design, Theory of Structure, Strength of Materials, Soil Mechanics, Design of Steel and RC Structure, Foundation Engineering.

Skills and Qualifications

Software/ Programming Language: AutoCAD, SAP 2000, Etabs, MATLAB, Arc GIS, Autodesk Revit, Google SketchUp, Python (Basic), MS-office, and Adobe Photoshop.
Communication/Organization: Quick Learner, Teamwork, Self-starter, and Detail Oriented.
Technical: Structural Designing, 3D-Modeling, Structure Analysis, Land Surveying, and Quantity Surveying.
Equipment: Auto level, Theodolite, Total Station, Lathe, Mill, and Weld.
Language: Nepali, English, Hindi, and German (Beginner)

Research works

Design Demands of RC Buildings Due to Irregularities https://doi.org/10.3126/jacem.v8i1.55915 **2023**
(Panthi, A., A. Lamsal, B. Pathak, K. Poudel, and B. Pradhan. "Design Demands of RC Buildings Due to Irregularities". Journal of Advanced College of Engineering and Management, vol. 8, no. 1, June 2023, pp. 109-18, doi:10.3126/jacem.v8i1.55915.)

- Analyzed building models in three irregularity scenarios, emphasizing design demands.
- Utilized SAP2000 and response spectrum methodology for modeling and comparison based on various parameters.

A Comparative Study of Indian Standard Code & Nepal National Building Code for Earthquake Resistant Design

- Use SAP2000 and response spectrum methodology for comparative analysis.
- Evaluate section demands, seismic behavior, drift, internal forces, and failure mechanisms.

Study the Damping Mechanism of Tall Buildings. **2021**

- Conduct comprehensive research on damping mechanisms in tall buildings.
- Deliver a college presentation highlighting key findings and emphasizing the seismic performance enhancement through effective damping mechanisms.

Relevant Experience

Pro Eth Pvt Ltd, Pulchowk, Lalitpur **2023 to Present**

National Pride Nijgadh International Airport Project

- Conducted structural analysis and design for the cargo building, a key component of government project.
- Prepared detailed structural drawings and monthly progress reports to track project advancements.

Budhanilkantha Rammed Earth House Project

- Engaged in the structural analysis and design of traditional rammed earth structures, considering factors like earthquake load, local soil materials, and traditional architectural practices.
- Collected experimental data to inform future guidelines for rammed earth construction in Nepal.

Steel Structure VOLCANO Club , Thamel Project

- Analyzed various parameters including live load, soil conditions, and functional requirements for the design of a steel structure.
- Designed a steel structure that is resistant to earthquakes and vibrations, ensuring safety and stability.
- Developed connection designs and produced comprehensive architectural drawings for the project.

Madan Bhandari Academy of Health Sciences, Hetauda Project

- Redesigned a building under construction due to changes in architecture and functionality.
- Conducted experiments to adapt the structure to new requirements, focusing on controlling deflection, torsion, and meeting design demands.

Leadership and Activities

Member, Gulmi-Kathmandu Student Union: Active member of Gulmi-Kathmandu Student Union, contributing to its initiatives and activities.
Team Leader, College Final Year Project: Led a team as the team leader for the college final year project, overseeing project planning, coordination, and successful execution.
Captain, College Survey Camp: Taken the role of captain during the college survey camp, providing guidance and leadership to the team in conducting surveys and completing camp objectives.

Award and Recognition

Scholarship Award: Earned scholarship every semester from my college for my outstanding academic performance.
Social Work: Received a letter of appreciation from the Resunga Municipality for my volunteering work in COVID.