

BIKALP GHIMIRE

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Kathmandu, Nepal

EDUCATION

• Kathmandu Engineering College, Tribhuvan University

Bachelor's Degree in Civil Engineering

◦ Grade: 82.53%

2021

Kathmandu, Nepal

TEACHING AND MENTORING

• Assistant Mentor

Under supervision of Pujan Raj Regmi, Kathmandu Engineering College

Jan 2022 - Apr 2024

Kathmandu, Nepal

- Guided 15+ students in final year structural design projects.
- Taught seismic analysis and RC building design.
- Provided training in ETABS, SAP2000, and AutoCAD.

SKILLS

- **Structural Analysis:** ETABS, SAP2000, SAFE, IDEA Statica
- **Programming:** Python, C, HTML/CSS
- **BIM & Design Tools:** Revit, AutoCAD, Civil 3D, Infraworks
- **Other Skills:** Vehicle Tracking, Primavera P6

EXPERIENCE

• Euro Consult - Pumori J.V.

Program Engineer (National Key Expert)

Jul 2024 - Present

Kathmandu, Nepal

- Developed design surfaces, plans, and sections in Civil 3D.
- Designed rapid exit taxiways at Tribhuvan International Airport.
- Prepared construction program and monitored physical and financial progress.

• Pumori Engineering Services (P) Ltd.

Kathmandu, Nepal

◦ Structural Engineer

- Designed 15+ earthquake-resistant multi-story structures using ETABS and SAFE.
- Prepared shop drawings and coordinated with architecture and MEP teams to eliminate clashes.
- Delivered formal presentations to municipal authorities for structural design approval.

◦ Structural Engineering Intern

Feb 2020 - Mar 2021

- Prepared structural drawings and reinforcement details using AutoCAD and Revit.
- Supported preparation of design calculation reports and construction documentation.
- Monitored construction progress and ensured design compliance.

PUBLICATIONS

- Ghimire, B. (2025). **Seismic Vulnerability of Staircase Design and Construction in Reinforced Concrete Buildings in Nepal**. Manuscript under review for publication in *Journal of Performance of Constructed Facilities*.

HONORS AND AWARDS

• Departmental Merit-Based Scholarship

2016 - 2020

Kathmandu Engineering College

- Full tuition waiver awarded in 6 out of 8 semesters for ranking in top 5% of the class.

• Government Employees' Children Merit Scholarship

Apr 2017

Government of Nepal

- Awarded NPR 200,000 for academic excellence under the national scholarship program for children of government employees.

PROFESSIONAL LICENSE

- Registered Engineer, Nepal Engineering Council, License No.: 30472 | Civil 'A' Category

FREELANCE EXPERIENCE

- Heifer International Nepal 2020, 2024 (Seasonal/Project-based)
Remote / Nepal
Civil Engineer
 - Designed chicken, goat, buffalo, and cattle sheds with shop drawings and 3D animations.
 - Coordinated with agricultural engineers and veterinarians on standards and specifications.
- Freelance Structural Design Projects 2022 – Present
Remote / Nepal
Independent Structural Designer
 - Delivered structural designs for RCC and steel buildings.
 - Produced detailed drawings, BOQs, and structural reports using Revit, AutoCAD, and ETABS.

CERTIFICATIONS AND COURSES

- CS50's Introduction to Computer Science 2025
HarvardX - Harvard University
- 100 Days of Code: The Complete Python Pro Bootcamp 2024
Dr. Angela Yu - Udemy
- Professional in Project Planning and Management using Primavera 2024
Synergy School of Business Studies, Thiruvanmiyur, Chennai