

BIKALP GHIMIRE

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Kathmandu, Nepal

EDUCATION

- Kathmandu Engineering College, Tribhuvan University** 2021
Bachelor's Degree in Civil Engineering Kathmandu, Nepal
 - Grade: 82.53%

TEACHING AND MENTORING

- Assistant Mentor** Jan 2022 - Apr 2024
Under supervision of Pujan Raj Regmi, Kathmandu Engineering College 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.

EXPERIENCE

- Euro Consult - Pumori J.V.** Jul 2024 - Present
Program Engineer (National Key Expert) 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** May 2021 - Jun 2024
 - Designed 15+ earthquake-resistant multi-story structures using ETABS and SAFE.
 - Prepared shop drawings and coordinated with architecture and MEP teams to ensure design integrity.
 - 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

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.

2020, 2024 (Seasonal/Project-based)
Remote / Nepal
- Freelance Structural Design Projects

Independent Structural Designer

◦ Delivered structural designs for RCC and steel buildings.

◦ Produced detailed drawings, BOQs, and structural reports using Revit, AutoCAD, and ETABS.

2022 – Present
Remote / Nepal

CERTIFICATIONS AND COURSES

- CS50's Introduction to Computer Science

HarvardX - Harvard University

2025
- 100 Days of Code: The Complete Python Pro Bootcamp

Dr. Angela Yu - Udemy

2024
- Professional in Project Planning and Management using Primavera

Synergy School of Business Studies, Thiruvannmiyur, Chennai

2024