

# BIKALP GHIMIRE

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Kathmandu, Nepal

## EDUCATION

### • Kathmandu Engineering College, Tribhuvan University

*Bachelor's Degree in Civil Engineering*

◦ Grade: 82.53%

Kathmandu, Nepal

## TEACHING AND MENTORING

### • Assistant Mentor

*Under supervision of Pujan Raj Regmi, Kathmandu Engineering College*

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

*Jan 2022 - Apr 2024*

Kathmandu, Nepal

## SKILLS

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

## EXPERIENCE

### • Euro Consult - Pumori J.V.

*Program Engineer (National Key Expert)*

- 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.

*Jul 2024 - Present*

Kathmandu, Nepal

### • Pumori Engineering Services (P) Ltd.

#### ◦ 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

- 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.

*May 2021 - Jun 2024*

*Feb 2020 - Mar 2021*

Kathmandu, Nepal

## 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

*Kathmandu Engineering College*

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

*2016 - 2020*

### • Winner - Civil Quiz Competition in YATRA 3.0

*National College of Engineering*

- Recognized as the winner of the intercollege Civil Quiz Competition.

*July 2019*

### • Government Employees' Children Merit Scholarship

*Government of Nepal*

- Received NPR 200,000 National Scholarship for academic excellence.

*Apr 2017*

PROFESSIONAL LICENSE

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

FREELANCE EXPERIENCE

- **Heifer International Nepal**

Civil Engineer

2020, 2024 (Seasonal/Project-based)

Remote / Nepal

  - 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**

Independent Structural Designer

2022 – Present

Remote / Nepal

  - 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**

HarvardX - Harvard University

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

Dr. Angela Yu - Udemmy

2024
- **Professional in Project Planning and Management using Primavera**

Synergy School of Business Studies, Thiruvannmiyur, Chennai

2024