

BIKALP GHIMIRE

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Kathmandu, Nepal

EDUCATION

• Kathmandu Engineering College, Tribhuvan University

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 - While at Pumori Engineering Services

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.

Jul 2024 - Present

National Key Expert

Kathmandu, Nepal

- Developed design surfaces, plans, and sections in Civil 3D.
- Designed rapid exit taxiways at Tribhuvan International Airport.
- Created data visualization of simulation results from REDIM.

• Pumori Engineering Services (P) Ltd.

Feb 2020 - Jun 2024

Aerodrome and Structural Design Engineer

Kathmandu, Nepal

◦ Aerodrome Design Engineer

Oct 2023 - Jun 2024

- Developed geometric design of taxiways, GSE roads, aprons, and grading.
- Created obstacle limitation surfaces (OLS).
- Prepared aircraft movement and jet blast simulation.

◦ Structural Engineer

May 2021 - Oct 2023

- Designed earthquake-resistant multi-story structures using ETABS and SAFE.
- Prepared shop drawings and collaborated with architecture and MEP teams.
- Delivered formal structural design presentation to municipal officials for building 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.
- Conducted site visits to monitor construction progress and ensure design compliance.

FREELANCE EXPERIENCE

• Heifer International Nepal

Dec 2023 - Jun 2024

Civil Engineer

Remote / Nepal

- Designed 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

Independent Structural Designer

Remote / Nepal

- Delivered structural designs for RCC and steel buildings.
- Produced drawings, BOQs, and reports using AutoCAD, ETABS, and SAFE.

HONORS AND AWARDS

- **Merit-Based Scholarship**
Kathmandu Engineering College
 - Full tuition waiver awarded in 6 out of 8 semesters for ranking in top 5%.
- **Academic Scholarship for Engineering**
Government of Nepal
 - Awarded NPR 200,000 for academic excellence, granted to children of government employees.

PROFESSIONAL LICENSE

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

CERTIFICATIONS AND COURSES

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