

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 - 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
Program Engineer (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 Revit, AutoCAD, and ETABS.

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 |