NISHAN LAMA, EIT

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SUMMARY

Engineer-in-Training and Structural Engineering graduate student with experience supporting IDOT bridge overlay and rehabilitation projects through preparation of construction-ready plan sets, quantity computations, and cost estimates. Strong structural foundation with proficiency in MicroStation, OpenRoads Designer, and Civil 3D, and readiness to contribute in an entry level civil engineering role.

EDUCATION

Master of Science in Civil Engineering (Structures) | GPA: 4.0 — Expected May 2026
Southern Illinois University, Carbondale, IL

Bachelor of Civil Engineering — Oct 2021
Tribhuvan University, Nepal

Relevant Coursework: Structural Design of Highway Bridges, Structural Steel Design, Seismic Design of Structures, Structural Dynamics, Earthquake Engineering, Nonlinear Structural Analysis, Theory of Structures, Reinforced Concrete Design, Transportation Engineering, GIS in Civil, Environmental, and Infrastructure Engineering

PROFESSIONAL EXPERIENCE

Seasonal Engineering Technician Intern — June 2025 – August 2025
Illinois Department of Transportation (IDOT), District 9 — Bridge & Hydraulics — Carbondale, IL

- Developed complete construction plan sets for two bridge overlay projects over Rend Lake, including general layouts, detailed drawings, and quantity computations in accordance with IDOT manuals and specifications.
- Prepared cost estimates, schedules, special provisions, and specification documents submitted as project-ready submittals.
- Prepared culvert general plans and sections with associated quantity calculations as part of the IL-14 rehabilitation project.
- Revised construction drawings and quantities in response to supervising engineer review comments to address scope changes and improve accuracy.

Graduate Assistant — August 2024 – Present
Southern Illinois University — Carbondale, IL

- Conduct research on explainable machine-learning models for seismic response prediction of structures.
- Teach and grade CE 432: Computer-Aided Design and Drawing (CADD) (AutoCAD & Civil 3D)

Civil Engineer — January 2022 – May 2024
Ustaad Engineering Consultancy Pvt. Ltd. — Kathmandu, Nepal

- Performed structural analysis and design of residential buildings in compliance with applicable building codes and standards.
- Prepared detailed structural drawings, cost estimates, and bar-bending schedules.
- Conducted field visits to monitor construction progress and ensure adherence to design specifications.
- Assisted in the design and cost estimation of water supply projects in rural areas of Nepal.

SKILLS

Design Codes: AASHTO, ASCE/SEI 7-16, IBC, AISC, ACI
Software: OpenRoads Designer, MicroStation, AutoCAD, Civil 3D, ETABS, STAAD Pro
Programming: Python, MATLAB

LICENSES & CERTIFICATIONS

- Engineer-in-Training (EIT), FE Civil — Michigan Board — Feb 2025
- Bentley Accredited MicroStation Professional — Bentley Systems — June 2025
- Registered General Civil Engineer — Nepal Engineering Council (NEC) — 2021