NABIN GHIMIRE, EIT

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**SYNOPSIS**

* Enthusiastic and technically competent Civil Engineer with 4+ years of experience in design and analysis of steel and reinforced concrete structures and construction works.
* Well versed with Civil Engineering software and knowledge in project management tools.
* Familiarized with AASHTO LRFD, BDM, AISC, ACI, ASCE, PCI, Indian Standard (IS), FIDIC book.
* Possess strong academic base along with teaming and intrapersonal skills.

**ACADEMICS**

**Master of Science** in Civil Engineering (Structural), *The University of Toledo Jan 2019-Dec 2020*

Courses: Bridge Design I Advanced Mechanics of Materials Finite Element Methods **GPA-4.0**

Dynamics of Structures Method of Numerical Analysis II NL Analysis of RC Structures

Projects**:** Performed load rating of steel and reinforced concrete bridge using AASHTOware BrR and manual calculations.

Inspected three different bridges as per ODOT bridge inspection manual and submitted report.

**Bachelor of Science** in Civil Engineering, *Tribhuvan University, Nepal Oct 2010-Sept 2014*

Courses: Design of steel structures Design of Reinforced Concrete Structure Earthquake Resistant Design **GPA-3.85**

Estimating and Costing Construction management Foundation Engineering

Project: Seismic Analysis and Structural Design of High-Rise RCC Framed Building using ETABS.

**PROFESSIONAL EXPERIENCE**

**Graduate Research and Teaching Assistant**, *The University of Toledo, Toledo, Ohio Jan 2019-Present*

* Studied and analyzed behavior of Polyurethane Disc Bearings under compression and rotation using Abaqus.
* Tutored SAP2000 and facilitated the learning of more than 400 students of Civil/ Construction Eng. Departments.
* Conducted 10 different Civil Engineering labs like concrete mixing, compression test, tension test and torsion test.

**Civil Engineer,** *Nepal Water and Energy Development Company Pvt. Ltd Oct 2015-Dec 2018*

* Worked for Upper Trishuli-1 Hydroelectric Project (216 Megawatts) being implemented by consortium of Korean companies and International Finance Corporation.
* Reviewed designs and drawings of different structures including dam, powerhouse, buildings and bridges, monitored project milestones by using MS Project, prepared BOQs and verified payment certificates as per FIDIC book (basically Turn Key Contract).
* Assisted in solving technical issues of the Project by coordinating with project sponsors, lender’s technical advisor and Owner’s Engineer.
* Prepared Contract Agreements as well as conducted monthly Construction Review Meetings between 3Cs.

**Volunteer Civil Engineer**, *Immediate After April 2015 Nepal Earthquake*

*National Society for Earthquake Technology, Nepal July 2015-Oct 2015*

*Nepal Development Volunteer Service, Nepal May 2015 - July 2015*

* Inspected earthquake-damaged RCC/Masonry/Wooden buildings and bridges and reported using spreadsheets.

**TECHNICAL SKILLS**

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| AutoCAD | SAP2000 | QConBridge | AASHTOware BrR | ETABS | MicroStation |
| MS Project | MATLAB | Mathcad | MS Office | VecTor5 | COMSOL |

**CERTIFICATIONS/HONORS**

Engineer’s in Training, Fundamentals of Engineering, Michigan PE Board, August 2019

Registered Civil Engineer, Nepal Engineering Council, February 2015 to Present

Graduate Assistantship and Tuition Waiver Scholarship, The University of Toledo, January 2019 to Present

College Fellowship, being in top 5 out of 121 students, Kathmandu Engineering College, Class of Oct 2010 to Sept 2014

Best Singing Award in School level programs and competed in National level programs.

**ACTIVITIES AND ORGANIZATIONS/ MEMBERSHIPS**

**President**, *Structural Engineers Association of Ohio-University of Toledo* *Jan 2020-Present*

**President**, *Nepali Student Organization-University of Toledo July 2019-Present*

**President**, *Civil Engineer’s Student Society-Kathmandu Engineering College Oct 2013-Sept 2014*

**President**, *Leo Club of Kathmandu Bhrikuti, Nepal July 2017-June 2018*

**Student Member**, *AISC, ASCE, ACI, SEAoO March 2019-Present*