Mukesh Poddar, EIT

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***Overview***:

Detail-oriented civil engineer with more than 1 year of structural engineering experience; aspiring to join a result-oriented organization with an opportunity to learn and grow in a team of experienced engineers.

***Core Competencies:***

* Proficient in the design and analysis of reinforced concrete, and steel buildings.
* Well-versed with different design codes like AASHTO LRFD, ACI, PCI, and Indian Standard (IS).
* Adept in project management tools like CPM and PERT, estimation, costing and quality control.
* Proven ability to work independently and as a part of a team.

# EDUCATION

**Master of Science, Civil Engineering** August 2019 - May 2021

The University of Toledo, Toledo, Ohio

*Thesis:* Compressive behavior of FRP-steel-concrete hybrid column under eccentric loading using ANSYS.

*Courses:* | Prestressed Concrete Structures | Advanced Mechanics of Materials

| Nonlinear Modelling of RC structures

**Bachelor of Science, Civil Engineering** November 2013 - December 2017

Tribhuvan University, Kathmandu, Nepal **GPA 3.9**

*Senior Design Project:* Seismic resistant design & analysis of multi-storied RCC building using SAP2000.

*Courses:* | Design of Steel & Timber Structure | Earthquake Engineering | Estimation and Costing

| Design of Reinforced Concrete | Building Technology | Construction Management

# ACADEMIC EXPERIENCE

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

* Substitute-taught 5 lecture classes of Structural Analysis for the professor.
* Interacted and facilitated the learning of more than 150 students through recitation class.
* Conducted 10 different civil engineering labs including concrete mixing, tension test, and torsion test.

**PROFESSIONAL** **EXPERIENCE**

**Structural Engineer**, Paradigm Engineering Consultancy Pvt. Ltd., Nepal January 2018 - June 2019

* Designed and analyzed steel and concrete structures using SAP2000
* Drafted plan and section views of various structures showing reinforcement details using AutoCAD
* Inspected earthquake-damaged buildings and performed retrofitting of restorable buildings.
* Designed retaining walls in spreadsheets.
* Prepared and reviewed estimates of construction projects along with proposal development.
* Supervised the work activities of building construction sites following safety guidelines; monitored progress in CPM

# TECHNICAL SKILLS

# | AutoCAD | MathCAD | MS Office

# | SAP 2000 | Civil 3D | ANSYS

**CERTIFICATIONS/HONORS**

| Engineer in Training Certification January 2020 - Present

| Graduate Assistantship August 2019 - Present

| Registered Civil Engineer- Nepal Engineering Council July 2018 - Present

# COLLEGIATE ACTIVITIES AND ASSOCIATIONS

Treasurer- Structural Engineers Association of Ohio-UT Student Chapter December 2019 - Present

Student Member- AISC, PCI, ASCE, ACI, ACI- UT Chapter August 2019 - Present

Committee Member- Nepali Student Organization, Toledo, Ohio August 2019 - Present