

Merina Thapa

Civil Engineer

Kathmandu, Nepal

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SUMMARY

An enthusiastic, keen observer and highly motivated who is always eager to learn. An individual who possesses the required level of strong initiative, motivation and drive needed to achieve long-term success.

EDUCATION

- Vellore Institute of Technology** Vellore, India
· Bachelor of Technology – Civil Engineering; CGPA: 8.24 July 2018- May 2022
Courses: Soil mechanics and Foundation Engineering, Construction Materials and Techniques, Strength of Materials, Structural Analysis, Water Resources Engineering, Transportation Engineering, Quantity Surveying and Estimating, Fluid Mechanics.
- Modern Indian School** Kathmandu, Nepal
· CBSE; Physics, Chemistry, Biology, Mathematics (PCBM); Class 12 July 2018
- Modern Indian School** Kathmandu, Nepal
· CBSE; Class 10; CGPA:8.2 July 2016

SKILLS SUMMARY

- Technical:** AutoCAD, STAAD Pro, MS Office, MS excel
- Personal:** Hardworking, Amiable
- Languages:** English, Nepali, Hindi

Areas of Interest

Building drawing, Highway design, Characteristics and behavior of soil, Geoinformatics, mapping, Transportation safety, soil mechanics, Construction planning

WORK EXPERIENCE

Software Internship Bentley Institute, Bentley Institute

Online, India
Dec 2022

- 10 days internship program using STAAD Pro Connect Edition software hosted by VIT, Vellore.
- Task: Design of 3D model parking.
- Achievement: Grade-A

Intern, RIM Constructions
June-July 2021

on-site, Lalitpur

- Assisted senior Civil Engineer on Performing Inspections, collection of data and supervising construction projects.
- Gained strong communication, leadership and team building skills.
- Assisted with the documentation of software and engineering data.
- Collected data for a road project reconstruction.
- Performed basic cost estimation.

AWARD

EDCIL Merit Scholarship

- Earned EDCIL merit COMPEX Scholarship awarded by government of India for BTECH Program through competitive entrance exam.

PUBLICATIONS

Patent: Automation of Digital Twin Framework for supply chain management in industry 4.0: Co-author of Patent published in the Indian Patent Journal. A Framework to improve digital twin creation accuracy and reliability and predict future possible states of entities used in supply chain network. (Patent ID: 202241058927)

PROJECTS

- Design of a Traffic Signal for A Four-Legged Intersection.
Software: AutoCAD
- Design of Anti-Earthquake Technologies and the horizontal force of an earthquake
Software: Revit, AutoCAD
- 3D model: The parking
Software: STAAD Pro

ORGANIZATIONS

HEARTS NGO VIT, Member	(07/2018 - 05/2022)
Ayudha NGO, Member	(07/2018 - 05/2022)
Aagaz'19, Event Co-Ordinator	February, 2020
Riviera Guest Care committee, Student volunteer	February, 2020
Leo Club of Kathmandu Kipu, Member	(02/2021 - present)

CERTIFICATES

[Innovative Governance of Large Urban Systems](#)

[Engineering Project Management: Scope, Time and Cost Management](#)

[Air Pollution – a Global Threat to our Health](#)

[Mastering bitumen for better roads and innovative application.](#)