

Sourav Thapa

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EDUCATION

Clarkson University

MS in Civil Engineering (Structural and materials) (GPA-4.0)

Potsdam, New York

Graduation Date: Dec 2022

WORK EXPERIENCE

BAUER Geotechnical Specialized Foundation LLC

Jr. Tender Engineer

Abu Dhabi, UAE

May 2018 - Oct 2019

- Successfully coordinated the preparation and submission of more than 20 technical and commercial offers for the design and construction of earth retaining structures and ground improvements.
- Estimated quantities (reinforcements, concrete, anchors etc.) required for the designated projects
- Coordinated in the meetings with clients and consultants about the project status and progress
- Prepared construction documents, proposals, design reports etc. in a timely manner

BAUER Geotechnical Specialized Foundation LLC

Project Engineer

Dubai, UAE

Sep 2017 - May 2018

- Successfully completed construction projects of foundations such as diaphragm walls, piling, shoring etc. within budget and on schedule by conducting regular checks and ensuring all work was carried out as per specifications.
- Successfully managed the site workforce by assigning tasks, setting deadlines, and conducting regular check-ins to ensure quality standards were met.
- Expedited the construction process by resolving any issues that arose in a timely manner.

National Reconstruction Authority

Civil Engineer

Nuwakot, Nepal

Apr 2016 - Sep 2017

- Prepared structural designs for new residential and commercial buildings which resulted in the development of Nuwakot district.
- Rehabilitated, restored and retrofitted existing earthquake damaged buildings which increased safety for the citizens.
- Produced drawings, plan production, and cost estimates for various projects that adhered to budget.

PROJECT EXPERIENCE

Clarkson University

Research Assistant

Potsdam, NY

Jan 2021 - Dec 2022

- Conducted extensive research on the mechanical and durability properties of alkali activated mortar and concrete.
- Formulated and developed mix design and test procedures for the tests of the alkali activated mortar and concrete
- Successfully completed all the required tests and paper publication in progress

LEADERSHIP EXPERIENCE

National Reconstruction Authority

Civil Engineer/Trainer

Nuwakot, Nepal

Apr 2016 - Sep 2017

- Successfully trained 100+ local masons and residents on Earthquake Resistant Building Construction Technology, resulting in increased technical knowledge and skills.
- Delivered Technical Inspection Training to 100+ local masons, resulting in improved quality of buildings.
- Conducted Training of Trainers (ToT) for local trainers, resulting in more widespread knowledge of earthquake resistant building techniques.

SKILLS & INTERESTS

Skills: Microsoft Office, AutoCAD, STAAD Pro, Primavera, R, MATLAB, Maple, familiar with ACI, ASTM, AISC codes, strong interpersonal, problem solving and analytical skills, ASCE professional associate member

Interests: Reading books, playing soccer, playing guitar