

RUTVIJ MATERE, CMIT

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Graduate student looking for Full Time opportunities in Construction Industry starting May 2024

EDUCATION

UNIVERSITY OF ILLINOIS, CHICAGO, USA

Aug 2022- May 2024

Master's in construction engineering and management (MS CME)

GPA: 3.8/4.0

Mumbai University, India

Jun 2015 – Oct 2020

Bachelor of Engineering, Civil Engineering

GPA: 3.0/4.0

Relevant Courses: Construction Engineering and Management, Construction, Construction Engineering Project Controls, Construction Estimating and Scheduling, Construction Equipment and Design Method, Construction Regulations and Organizational Management, Geometrical Highway Design.

PROFESSIONAL EXPERIENCE

Chastain & Associates LLC, Chicago, IL, *Construction Intern*

May 2023- Aug 2023

- Worked closely with senior engineers to inspect construction sites, ensuring adherence to design specifications, codes, and safety standards.
- Assisted in conducting site surveys, quality control assessments, and material testing, contributing to project progress tracking.
- Collaborated with contractors, project managers, and design teams to address and resolve on-site issues promptly.
- Documented daily site activities, progress reports, and non-compliance instances, maintaining accurate and organized records.
- Gained hands-on experience in concrete and asphalt testing, soil compaction analysis, and structural integrity assessments.
- Participated in weekly team meetings, presenting findings, and suggesting improvements to enhance project efficiency.
- Supported the preparation of inspection reports, summarizing findings and recommendations for corrective actions when necessary.

Larsen & Toubro Limited, India, *Trainee Engineer*

May 2022 – Jul 2022

- Supervised the casting of segment, Carried out the necessary formwork for the initial construction of superstructure.
- Executed the construction of rebar according to the drawings & specification onto the field.
- Led a team of 4 foremen, 2 site supervisors, and 2 subcontractors and organized monthly safety meetings for the crew.
- Provided on-site review of shop drawings, site inspections, and reports of work in progress.
- Monitored field variations and kept the project team informed of any changes.

Manoj Infra work Private, Limited, Mumbai

Nov 2020 – Dec 2021

Jr. Engineer (Expressway, India)

- Led the design and engineering efforts for a major highway project, ensuring compliance with industry standards and regulations.
- Utilized cutting-edge traffic management techniques to guarantee the security of workers, commuters, and neighborhood residents.
- conducted in-depth site inspections to evaluate the viability of the project, identify any potential obstacles, and provide workable solutions.
- Coordinated in a variety of project execution components, such as operations, project planning, and technology integration.
- Coordinated and executed meetings with several stakeholders and took meeting minutes.
- Conducted quality inspections on incoming materials and construction activities as detailed in the relevant ITP's.
- Generated RFIs, reviewed construction drawings, submittals, and GC responses, and made necessary changes in the model.

ACADEMIC PROJECTS

Research paper- University of Illinois, Chicago.

Aug – Dec 2022

- Research Paper on measuring and improving construction quality in highway projects.
- Research Paper on Sustainable Construction: Challenges and Opportunities, under guidance of (Prof. Dr. Hossein Ataei).
- Research paper on Implementing the process and procedure of placing asphalt on the redlight to Gbarnga highway (176.8km).

Use of industrial waste material in Road Construction.

May 2019 – Sep 2020

- The primary aim behind this project was to address the issue of industrial waste which causes problems to the environment as well as to the society.
- Studied each waste material separately and performed various necessary tests required for the actual implementation of the project.

SKILLS AND SOFTWARE

- MicroStation • Autodesk AutoCAD.
- MS Project • On-Screen Takeoff
- Scheduling • Project Planning

LEADERSHIP EXPERIENCE

- An active member of Robin Hood Army (RHA), an organization working towards serving less fortunate people of the community.
- Secretary of Rotaract club of Thane Premium (RCTP), working towards a goal to give back to society since 2014.
- Member of A.C.E.S (Association of Civil Engineering Students) in my undergraduate program.