

DARSHIT RUDANI

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KEY SKILLS:

- AutoCAD Drafting
- Revit Modeling
- Quantity takeoff
- Cost Estimation
- Coordination
- Project Scheduling

WORK EXPERIENCE

BELANGER CONSTRUCTION, SUDBURY, CANADA

May 2023 - Current

Project Coordinator

- AutoCAD 2D drafting for various projects i.e. culvert, sewage lift station, garage slab etc.
- Plotted As-Built elevation collected with Topcon equipment on original drawing to verify the current site condition.
- Submitted required deliverables as per project requirements, ensuring smooth project initiation to meet project schedule.
- Coordinated with clients and contractors ensuring project requirements are met.

DEPANNEUR MOSAIQUE, MONTREAL, CANADA

Feb 2022 – Apr 2023

Customer Service/Retail Manager

- Supervised and managed product inventory of the store.
- Provided customer service by working at cash counter.
- Sole responsible of managing orders of products in the absence of business owner.

SAI CONSULTANT, GUJARAT, INDIA

Oct 2019-Dec 2021

Jr. Structural Engineer

Worked on different structural design projects during working tenure. Estimated RCC quantities supervised sites. Also worked on NDT testing of old RCC building projects.

- **RCC Building Design;** Analysis and design of RCC residential buildings from G+1 to up-to G+20 floors using ETABS and RCDC. Also worked on proof checking project of RCC building of G+18 floor building and submitted technical documentation report.
- **Hydraulic Structure;** Worked on 1MLD water treatment plant, provided design of number of water tank units which are on-ground and underground units.
- **Steel Structure Design;** Analyzed, designed and optimized the steel section of industrial shed building using STAAD-Pro and also provided material take-off.
- **Non-Destructive Testing (NDT);** Inspected different old RCC structures with NDT methods which includes Rebound Hammer Test and Ultrasonic Pulse Velocity Test as per Indian standard codal procedure and submitted technical report. Completed 11 public school building testing in 2 weeks, generating work of more than ₹1.2M (\$20,000 CAD) and around ₹3M(\$50,000CAD) in total for all testing projects in less than 2 month working in team of 3 members.
- On field work; includes site supervision for structural elements to inspect the quality of work and to make sure work done is as per structural drawings.

Civil Engineering Intern

- 21-day on field site training at construction site of low-rise RCC residential building.

ACADEMIC PROJECTS

New Construction of Unicorn Childcare Centre (Project Management)

- Design-Build project with tasks: Activity area, Office area, Storage and sleeping area.
- Created WBS for the project and precedence diagram using MS Project.
- Created CPM Schedule to determine the duration and critical path for the project.

Preparing Bid for Industrial building, Ontario (Cost Estimation)

- Created detailed estimation using MasterFormat 2018 WBS for total workable quantity and cost estimation.
- Created detailed cost estimation by carrying out QTO for assemblies such as footing, column, beam, reinforcement, precast wall, formwork etc. using MS Excel.
- Priced assemblies using RS Means 2011 according to specifications mentioned in drawings.
- Created tender analysis by comparing other subtrade QTY and cost estimation.

Building Information Modeling

- Formulated mini-BIM execution plan by referring Penn. State BIM execution planning guide & templates and developed LOD 400 spec models from given drawings, performed clash detection, created 3D, 4D and 5D simulation video using Autodesk Revit and Navisworks.

EDUCATION

M.Eng in Construction Engineering and Management

Jan 2022 – Apr 2023

Concordia University, Montreal, Canada (GPA: 3.29)

Master of Technology in Structural Engineering (M. Tech)

Jul 2017 – Aug 2019

Maharashtra Institute of Technology-WPU, Pune, India (GPA: 9.45)

Bachelor of Engineering in Civil Engineering (B.E)

Jun 2013 – May 2017

Babaria Institute of Technology, Vadodara, Gujarat (GPA: 8.7)

SOFTWARE SKILLS

ETABS, SAFE, STAAD-PRO, Auto-CAD, Revit, Navisworks, Bid2Win

Microsoft Office, Microsoft Project

- ❖ I have valid Ontario Class G Driving License.