

Riya Sharma, M.Eng.

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Greater Toronto Area, ON | Open to Relocation

SUMMARY OF SKILLS

- Hands-on experience in project estimation, quality control, and structural design, bringing a strong technical and practical approach to civil engineering projects.
 - Proficient in Structural Design and Analysis, technical tools such as AutoCAD, Revit, STAAD Pro, MASS, Blue Beam, Prokon, CSI-col, MS Suite supported by direct involvement in various structural projects.
 - Proficient in Python, C++, Java, Computer Graphics, and Machine Learning, with expertise in data structures and OOP for versatile coding projects.
 - Strong soft skills in Problem-solving, Team Management, Leadership, Sales, & Communication, demonstrated through leadership roles and internships.
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EDUCATION

MEng. in Civil Engineering

Sept 2023 - Dec 2024

University of Windsor- Windsor, Ontario

- Courses: Canadian Codes/Modern Tools, Advanced Masonry Design, Fiber Reinforced Concrete, Design and Deterioration of concrete, Prestressed Concrete, Engineering Project Management, Engineering Technical Communication, Engineering Mathematics
- GPA 87.75

BTech. in Civil Engineering, Guru Nanak Dev Engineering College- Ludhiana, Punjab 2019-2023

- First Division with distinction (8.3 GPA)
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CO-OP / INTERNSHIPS

Quality Engineer Intern, Gammon India Limited, India

Jan 2023 - Jun 2023

- Performed quality control tests on construction materials, including aggregates, cement, and concrete, to ensure adherence to technical standards and project specifications.
- Analyzed data and prepared detailed reports to inform project teams, supporting quality assurance and maintaining concern for quality and standards.

Junior Design Engineer Intern, Test & Consultancy Cell GNDEC, India

June 2022 - July 2022

- Designed and analyzed structural elements for three residential buildings using STAAD.Pro, ensuring compliance with serviceability, deflection, and safety standards.
 - Collaborated with senior engineers to optimize designs and meet organizational goals while maintaining technical accuracy and high-quality outputs.
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PROJECTS

- **Structural Analysis Projects using STAAD.Pro:** Performed analyses on 2D/3D frames, finite element models, and trusses, demonstrating expertise in structural modeling.
- **AutoCAD Design Projects:** Created detailed technical blueprints and layouts during undergraduate coursework.
- **Estimation and Costing of a Warehouse:** Prepared accurate cost analysis and resource allocation for a warehouse project.
- **Structural Design of a Bonded Storage Hall:** Developed designs ensuring compliance with safety standards.
- **Cost-Effective Column Design for a Vineyard:** Optimized material usage using CSI-Col for economical design.
- **Masonry Beam Design Using MASS:** Engineered a masonry beam with precise load analysis.
- **Foot Over Bridge Design Using STAAD.Pro:** Designed a pedestrian bridge adhering to engineering codes.