

# JAWAD SHAREEF

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## EDUCATION

**Master of Engineering (M.E.) in Structural Engineering** August 2018  
University of Western Ontario – Canada

**Bachelor of Engineering (B.E.) in Civil Engineering** April 2017  
Osmania University – India

## ACADEMIC PROJECTS

**Seismic analysis and Capacity design of a 15-story hotel building** April 2018

- Performed detailed seismic analysis of a building located in Montreal.
- Contributed in the building design using ETABS results, in consideration with NBCC-2015 provisions and Canadian Design Handbook (CSA A23.3-14)

**Analysis and design of an industrial steel building in Victoria, BC** April 2018

- Majorly focused on wind and seismic load provisions laid out by NBCC 2015
- Designed the crane girder, bracing members, beams and columns using Canadian Design Handbook (S16-14)

**Modelling and design of a 45-story hotel in Mississauga** December 2017

- Conducted mesh sensitivity analysis to achieve optimum mesh size in ETABS.
- Modified the design to satisfy deflection and story drift requirements including NBCC-2010 load combinations
- Presented a detailed report on the finite element structure and design along with a teammate

**Modelling, analysis and design of a 20-story residential building** December 2017

- Designed shear walls, beams and columns with reinforcement details based on Canadian Design Handbook (CSA A23.3-14)
- Produced a report on design and drawings within the deadline

**Modelling and analysis of a cable-stayed bridge** December 2017

- Used SAP2000 to model the bridge by single spine approach, a combination of frame and shell elements and cardinal points modelling technique

**Analysis, design and estimation of G+5 residential building** April 2017

- Structural analysis of the building carried out in STAAD. Pro
- Manually designed beams, columns, slabs, footings and water tank using the limit state and working stress methods in Indian Design Code (IS 456)
- Estimation of quantities and data interpretation accomplished using Microsoft Excel

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**PROFESSIONAL EXPERIENCE**

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**Intern Student**

June 2015-August 2015

**Ultratech Cement Limited, India**

- Explained engineers about the mobile cement quality/strength testing service provided by Ultratech Cement
- Visited around 100 sites and reported the technologies used, stage of construction, materials, and complications involved from excavation to finishing
- Enthusiastically interacted with the owners, architects, engineers and other stakeholders and discussed details of design
- Marketed and promoted Ultratech cement to construction material traders

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**TECHNICAL SKILLS**

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**Proficient in****Knowledge of**

AutoCAD

Revit

ETABS

STAAD. Pro

SAP2000

Response2000

Microsoft Office Suite

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**LANGUAGE SKILLS**

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Fluent in English, Hindi and Urdu

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**EXTRACURRICULAR ACTIVITIES**

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- Attended and participated in workshops and seminars as a graduate student at Western University
- Student member of the Canadian Society for Civil Engineering (CSCE)
- Served as Executive body member of the Indian Concrete Institute (ICI) and member of the Institute of Engineers (India) (IEI) as an undergraduate
- Registered for Engineering Intern (EIT) program
- Certified in Supervisor Health and Safety, Worker Health and Safety, Workplace Hazardous Materials Information System (WHMIS)
- Holds valid Ontario driver's license and ready to relocate anywhere in the country