**GAURAV RATHEE**

Toronto |M: 613-413-0921| [grathee20@gmail.com](mailto:grathee20@gmail.com)

Structural engineer eligible for registration as an EIT (Engineer in Training), with experience in structural design and construction site supervision.

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| * Proficient in NBCC, OBC, CSA A23.3, CSA S16 * Design of concrete, steel and timber structures * Strengthening and rehabilitation of structures * Excellent communication and interpersonal skills | * Seismic analysis and design of the structures * Proficient in ETABS, AUTOCAD, REVIT * Finite element analysis (Abaqus) * Construction management |

**EDUCATION**

**Master in Civil Engineering, University of Ottawa** 2017-2019

**Bachelor in Civil Engineering,** M.D. University 2013-2017

**EXPERIENCE**

**Structural Engineer**  **G-Eng. Advisory Services Pvt. Ltd., India** **May 2019 - July 2019**

* Design of the box culverts according to the Indian design code provisions.
* Modelled and Analysed the concrete slabs and steel truss bridge structures in StaadPro.
* Carried out the Preliminary analysis and worked on general arrangement drawings with senior engineer.

**Structural Engineer Intern** **Virat Techno Construction, India** **Jan 2017 - May 2017**

* Calculated the loads and performed the static analysis and design of concrete structures according to Indian building codes.
* Calculated the reinforcement of the structure and drafted the working drawings in AUTOCAD.
* Collaborated with teams from other disciplines such as Architects, Electrical and Mechanical.
* Analysed the project with seniors for cost and estimation of the projects.
* Prepared the bar bending schedule and detailed checking of calculations and engineering drawings.
* Reviewed design standards to ensure drawings comply with design criteria and codes.

**Civil Engineer** **Intern** **Shapoorji Pallonji Engineering & Construction, India** **May 2016 – August 2016**

* Supervised 20-30 workers and attentively inspected and monitored the construction ensuring the high quality work.
* Monitored the laying down of reinforcement bars and surveillance the pouring of the concrete.
* Reviewed construction work against technical designs and drawings to assess compliance. Supervised the marking of layouts according to column frame drawings.
* Followed standards and procedures to maintain safe work environment. In charge of the safety orientation for the new members on the site.
* Prepared reports detailing site activities, incidents and planning for future steps with other engineers in construction site meetings.

**Site Engineer Shivalaya construction company, India May 2015 –August 2015**

* Performed regular job site observations to provide direction for all general contractor personnel.
* Conducted routine quality audits to ensure that work was progressing as per the specifications and initiated corrective actions under the guidance of senior engineer.
* Read plans and blueprints and communicated them to workers. Ensured that workers are wearing all safety gadgets. Performed various tests like slump test, compressive strength of concrete cubes in site lab.

**COMMUNITY INVOLVEMENT**

**CICE - Canada India centre for excellence**

**Executive member,** University of Ottawa **Jan 2018 – April 2019**

* Organised events on festivals and student orientations hosting around 300 people.
* Program planning, execution, task management, vendor relations, communication and scheduling.
* Delivering events on time, within budget that meet expectations. Working in a team, motivating juniors and providing financial support by getting more sponsors for events.