**SUMMARY OF QUALIFICATIONS**

* Recent Master’s graduate in Environmental Engineering with certification in construction project management and a bachelor’s degree in Civil Engineering. Plan to earn Engineer in Training certification upon graduation
* Excellent track record of remaining organized and working collaboratively in the team of civil engineers, architects and electrical engineers based on experience working as an Engineer Trainee
* Performed engineering duties in planning, designing and overseeing construction and maintenance of the building structure and water system
* Profound knowledge of water quality issues, water quality modeling, and hydraulic design
* Good knowledge for water distribution system, municipal infrastructure design and stormwater system
* Valid Ontario’s driving license

**TECHNICAL SKILLS**

* Engineering Software: Auto CAD, Microsoft Project, SWMM, Sewer CAD, ArcGIS, STAAD Pro, Erdas Imagine
* Computer Skills: Microsoft Office Suite, Adobe Photoshop, Flash, Dreamweaver, Google Sketch
* Certified in PPE, WHMIS and Biosafety Awareness
* Knowledge of budgeting and the financial monitoring of projects

**EDUCATION**

**Master of civil engineering** **Sep 2017 - Sep 2018**

**Ryerson University**

**Core courses:**

* Water Resources Analysis • Surface Water Modelling
* Water Pollution Control • Soil Remediation
* Repair and Renovation of Existing Structure • Construction Management
* Waste Management • Urban satellite remote sensing

**Post-Graduate Diploma in Construction Project Management** **Sep 2016 - May 2017** **Canadore College**

**Core courses:**

|  |  |
| --- | --- |
| * Project management principle | * Human Resource Management |
| * Construction Planning | * Construction Site Controls |
| * Quantity Surveying | * Tender Process |

**Bachelor of Technology (Civil Engineering) Aug 2010 - May 2014 Punjab Technical University**

**EXPERIENCE**

**Patel Engineering Limited, Graduate Engineer Trainee JUN 2014 - NOV 2014**

* Planned scheduling and executing of construction activities at the site of 6 story building as per drawing and design approval
* Co-ordinated construction activities with Architects and Landscape personals
* Implemented safety program through training sessions to enforce onsite safety assurance

**Central Public Works Department, Civil Engineer (Intern) Dec 2013 - May 2014**

* Monitored sub-contractors in the completion of daily operations to ensure project progress and optimal performance
* Responsible for estimating quantities and cost of materials, equipment, and labor to determine project feasibility
* Facilitated project by conducting meetings, recording meeting actions and performing follow-ups

**ACADEMIC EXPERIENCE**

**Projects for Master of Civil Engineering**

**Ryerson University, Design of Stormwater Conveyance System Jan 2018 - Jul 2018**

* Completed technical project on the design of a right-of-way Low Impact Development (LID), termed Etobicoke Exfiltration System (EES), for a residential subdivision located in the Town of Richmond Hill to reduce the impacts of stormwater runoff and the associated pollution using SWMM model
* Prepared water model for lake using continuous stir tank reactor to reduce the phosphorus contamination by analyzing watershed and water quality data
* Analysed change detection for land covers and land uses affected by the flood occurred in the region of Saguenay in Quebec in 1996 using Erdas imagine and ArcGIS software, and predicted the future pattern for the high potential area to be affected by the flood
* Modeling dark fermentation process for volatile fatty acids for production of various source of energy

**Canadore College, Construction Project Management Sep 2016 - May 2017**

* Final project on LEED Buildings and Eglinton LRT for the better understanding of site organization and management
* Handled cost-of-materials estimation, report, document tracking, project documentation, invoice/agreement verification and building permit applications
* Prepared contract and cost estimates of $ 6 million as of material cost for construction of water supply plant

**Punjab Technical University, Design of slow sand filter Aug 2013 - Dec 2013**

* Published a research paper on “Design of slow sand filter” to increase the efficiency of existing water supply system in the town