Divyansh Jain

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**Profile Summary**

* Civil Engineer-In-Training (EIT)
* Proficient with Microsoft Excel, PowerPoint, Word
* Basic knowledge of AutoCAD 2-D, AutoCAD Civil 3-D, ArcGIS, HCS, VISSIM, Statistical Analysis Software (SAS)
* Coursework
  + Highway Design and Construction, Traffic Operation and Control, Road Safety Analysis, Intelligent Transportation Systems, Transportation Systems Analysis, Integrated Transportation and Land-use Modelling, Engineering Project Management
* Dedicated, Enthusiastic, Motivated, Detail Oriented, Willing to learn, Adaptable, Team player
* Oral and Written communication skills, Listening Skills, Interpersonal skills, Analytical skills

**Work Experience**

* Geotechnical/Material Testing Technician

Four Corners Engineering Inc., Markham **(August 2018 – Present)**

* Conducting on-site testing for concrete properties and soil compaction;
* Conducting laboratory testing for aggregate properties;
* Keeping track of daily activities;
* Preparing field reports

**Education**

* Master of Engineering (Civil)

University of Windsor, Windsor **(January 2017 – May 2018)**

* Bachelor of Engineering (Civil)

Chitkara University, India **(August 2011 – June 2015)**

**Academic Projects**

* Crash Frequency Analysis **(March 2018 – April 2018)**
  + Studied the data set of crash frequency and driver injury severity in Ontario using the Statistical Analysis Software (SAS);
  + Identified the various road geometric and traffic related statistically significant factors affecting the crash frequency and driver injury severity on different road classes;
  + Understanding the effects of these factors on the fatal and property damage only (PDOs) road crashes
* Land-use modelling **(March 2018 – April 2018)**
  + Assessed the impact of future development of various land-use patterns in Windsor using the ArcGIS and Gravity Land-use Model (G-LUM);
  + Projections for each of the household classes and employment sectors and individual census tracts;
  + Developed scenarios and assigned the land-use patterns in each of the census tract for future development;
  + Spatially distributing the land-use patterns in the future years using ArcMap
* 4-stage modelling **(July 2017 – August 2017)**
  + Developed a 4-stage model using the Microsoft office, transport modelling software COMMUTE and the iterative proportion fitting (IPF) algorithm;
  + Projections for each of the household classes and employment sectors and individual census tracts;
  + Formulation of origins and destinations of each of the census tracts using regression analysis and then the origin-destination matrix using the IPF algorithm;
  + Spatially distributing the traffic flow of the passenger cars for the weekday trips using COMMUTE.
* Integrated Project
  + Used AutoCAD – 2D to design the plans of a two-storied house;
  + Designing the floor plans and elevation and sectional plans;
  + Structural analysis of the house

**Trainings**

* Internship **(January 2015 – June 2015)**
  + Reviewing the drawings;
  + Supervision of a multi-storied building
* Survey Camp **(June 2013)**
  + Ranging
  + Compass Survey
  + Levelling
  + Plane Table Surveying
  + Tacheometry
  + Basics of a total station

**Co-Curricular Activities**

* National Service Scheme (N.S.S) **(August 2012 – August 2013)**
* Basic Mountaineering Course **(June 2007)**
* Cadet at National Cadet Corps. (N.C.C) Junior Division **(April** **2005 – July 2006)**

**References: To be provided when require**