

Nikhil Choudhari, E.I.T

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A Transportation System Engineer, with two years of experience in Civil Engineering. Seeking to acquire technical and professional expertise with a reputed firm in the transportation engineering field. Available to relocate nationwide.

Education

- Aug 2017 - Feb 2019** **University at Buffalo, The State University of New York**
Concentration: Transportation Systems & Engineering.
Relevant Coursework: Pavement Materials and Design, Geometric Design of Highways, Traffic Operations and Design, Geographical Information System, Travel Demand Forecasting.
- Aug 2011 - May 2015** **Walchand College of Engineering, India**
Bachelor of Technology, Civil Engineering
Relevant Coursework: Transportation Engineering and Laboratory, Surveying, GIS.

Engineering Projects

- Aug 2018 - Dec 2018** **Travel Demand Forecasting for Buffalo, NY**
 - Estimated future travel demand using the data collected in the year 2000 for the Buffalo Niagara Region.
 - Used the four-step planning method for travel demand forecast.
- Jan 2018 - May 2018** **Traffic Operations and Design in Downtown Buffalo, NY**
 - Analyzed the Downtown Buffalo signal phases and signal times, built a simulation in VISSIM using the data collected.
 - Optimized signal timing using SYNCHRO and recommended solutions to reduce the peak hour congestion.
- Jan 2018 - May 2018** **Geometric Design of Highways in West Lafayette, IN**
 - Designed a new section of US52/US231 highway near Purdue University, Indiana.
 - The goal of the project was to reduce the congestion, and the new alignment was successful in doing so.
- Aug 2017 - Dec 2017** **Transportation Analytics for Western New York Region**
 - Developed a regression model to analyze factors causing secondary accidents on Western New York roadways.
 - Defined secondary accidents and considered factors such as weather, traffic conditions, daily traffic count and other factors for regression analysis.

Skills

Technical Skills: Traffic Analysis, Highway Design, Travel Demand Forecasting.

Hands-on Software: SYNCHRO, VISSIM, ArcMap, CARLSON, MINITAB, TransCAD, InRoads.

Drafting Tools: AutoCAD, Microstation.

Programming languages: R Language, LIMDEP.

Professional Experience

- Jun 2015 - Apr 2017** **Junior Engineer**
Kolte-Patil Developers, Pvt, Ltd, India
 - Worked on the construction site of 4 (23 floor) buildings as a team leader on a team of 6 people.
 - Used existing slip formwork from the previous project, for expediting the building construction which saved 40-50% formwork cost.