Ravi Kumar Mittal

Opposite Khatke Sahib Ka Bada, Dal Bazaar
Lashkar Gwalior, Madhya Pradesh, India – 474009
9891180695
aakashm148@gmail.com

Education

- **Indian Institute of Technology, Delhi** (July 2014 – June 2018)
  Bachelor of Technology - Civil Engineering
  DGPA – 7.125/10
- **Central Academy Sr. Sec School (Shikshantar), Kota** (Apr 2012- Mar 2013)
  Higher Secondary Examination (CBSE Board)
  Overall 88.8% with 95/100 marks in Mathematics and Chemistry
- **Kendriya Vidyalaya No. 1, Agra** (Apr 2010- Mar 2011)
  Secondary School Examination (CBSE Board)
  CGPA Obtained – 10/10

Qualifying Examinations

- Qualified JEE (Advanced) with AIR 1365 (Gen Category) out of 12 lakhs (approx.) candidates.

Technical Skills

- Software
  AutoCAD
  STAAD Pro.
  Autodesk Inventor
  STATA
- Coding Languages
  Python (with Xlsxwriter and Xlrd Libraries)
- Other
  MS Office

Course/Mini Projects

- Public Transportation System: Determination of various operating elements related to public transportation system of Delhi.
- Structural Design: Design of 3-storeyed residential building and industrial shed using STAAD Pro.

Project/Internship Experience

- **Indian Institute of Technology, Delhi** (Jan 2018 – Apr 2018)

  Semester Project

  Trip chain typology for non-commute travellers of Chicago City using Multinomial Logit Model (MNL)

  Multinomial logit model (MNL) has been used to carry out statistical analysis of the trip chain typology of travellers of Chicago City. The above has been done for establishing the platform to categorise the trips behaviour of travellers in the transportation engineering. The analysis has been performed using the Biogeme software.

- **Indian Institute of Technology, Delhi** (July 2017 – Nov 2017)

  B. Tech Project

  Modelling the Commute Travel Time Bound for Students

  Frontier model has been used to predict the travel time bound for students of Agra and Pune. The prediction has been made using the household characteristics, individual characteristics and trip characteristics of the students.

- **Indian Institute of Technology, Delhi** (Jan 2017 – May 2017)

  Semester Project

  Understanding Travel Time Expenditures

  Regression Models are used for understanding the notion of travel time expenditures. For this model data of Pune city is prepared according to the need using basic Python programming language and its libraries (Xlsxwriter and Xlrd) and thereafter modelling is carried out using STATA.

- **Indian Institute of Remote Sensing / ISRO, Dehradun** (May 2016 – July 2016)

  Summer Training

  Vehicular Pollution Dispersion Model

  Develop a mathematical model for determining the various pollutant concentration emitted by vehicles based on the emission factors, the speed of vehicles and geometrical condition of a nearby location.