

# Keval Joshi

## PERSONAL DATA

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PLACE AND DATE OF BIRTH: Ahmedabad, Gujarat | 17 Nov 1997  
ADDRESS: Gandhinagar, Gujarat  
EMAIL: [ce21d039@smail.iitm.ac.in](mailto:ce21d039@smail.iitm.ac.in)  
LINKEDIN: [kevaljoshi1997](https://www.linkedin.com/in/kevaljoshi1997)

## EDUCATION

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PRESENT Ph.D. Degree in TRANSPORTATION ENGINEERING  
**Indian Institute of Technology Madras**, Chennai  
Advisor: Dr. Gitakrishnan Ramadurai

MAY 2021 M.Tech. Degree in TRANSPORTATION ENGINEERING  
**National Institute of Technology**, Rourkela  
Advisor: Dr. Prasanta Kumar Bhuyan | CGPA: 9.14/10.0

MAY 2019 B.Tech. Degree in CIVIL ENGINEERING  
**Nirma University**, Ahmedabad  
Advisor: Prof. Hemang Dalwadi | CGPA: 8.05/10.0

MAY 2015 Intermediate in SCIENCE and MATHS  
GSHSEB: **Mount Carmel High School**, Gandhinagar  
Percentage: 78%

MAY 2013 Matriculation  
GSHSEB: **Mount Carmel High School**, Gandhinagar  
Percentage: 82.83%

## PROJECTS

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MAY 2021 Research Project at NIT ROURKELA  
*Two-wheeler delay and LOS at unsignalized intersections*  
Using ML techniques, developed an empirical formula for delay and LOS with various data extracted from traffic videos and user-perception survey.

MAY 2019 Major Project at NIRMA UNIVERSITY  
*Identification of Road Material in Envi*  
In Envi, using AVIRIS Hyperspectral data, identified the material of the road, as bitumen or concrete.

DEC. 2018 Minor Project at NIRMA UNIVERSITY  
*Proximity Analysis of public transportation in Ahmedabad city using ArcGIS*  
Using ArcGIS identified the areas and localities in Ahmedabad with limited or no access to public transportation.

MAY 2018 Mini Project at NIRMA UNIVERSITY  
*Simulate and Evaluate traffic congestion at Pakwan Intersection, Ahmedabad by PTV Vissim software*  
At Pakwan intersection (Ahmedabad), using PTV Vissim determined the road links having the longest intersection crossing time and the longest queue.

DEC. 2017 Mini Project at NIRMA UNIVERSITY  
*Pavement Design using IIT Pav software*  
Prepared an excel sheet giving stress values at critical locations, compared these values with IIT Pav and evaluated the design safety of the pavement.

## SKILLS

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General Programming: C, PYTHON, POWERSHELL, MACHINE LEARNING  
Softwares: SPSS, ENVI, ARCGIS, PTV VISSIM, IIT PAVE, MATLAB, MICROSOFT OFFICE  
Languages: ENGLISH, HINDI, GUJARATI

## EXTRA CURRICULAR ACTIVITIES

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2015 - 19 | *Dramatics*, VAUDEVILLE, INSTITUTE CULTURAL FESTIVAL  
Part of the winning team

2016 - 19 | *Dramatics*, RANGMANCH, INSTITUTE CULTURAL FESTIVAL  
Part of the runner-up team

## CERTIFICATES

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NOV. 2020 | Coursera course on Neural Networks and Deep Learning.  
SEPT. 2020 | UdeMy course on different Machine Learning algorithms.

## INTERESTS AND ACTIVITIES

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Economics, Statistics, Data Analysis, Programming  
Reading, Law, Psychology, Philosophy, History, Literature, Writing  
Travelling, Cooking, Playing cards