

# DHVANILKUMAR D. SHAH

202 East Squire Drive, Apt#1, Rochester, NY- 14623 | PH NO: +1 (347)-825-7450  
<https://www.linkedin.com/in/dhvanilkumar-shah-9b995b112> | [dds393@nyu.edu](mailto:dds393@nyu.edu)

## EDUCATION

### NEWYORK UNIVERSITY

MS Transport Planning & Engineering  
May 2017 Grade: 3.095/4.00

### GTU, INDIA

B.E. Civil Engineering  
May 2015 Grade 7.66/10.00

### ORCID ID

[orcid.org/0000-0001-8376-6762](https://orcid.org/0000-0001-8376-6762)

## LANGUAGE

English

Hindi

Gujarati

## PERSONAL SKILLS

Strategic planner

Organized

Analytical

## OBJECTIVE

Seeking full-time opportunity to learn and establish myself as successful professional, essentially in an organisation wherein I can apply my theoretical knowledge with practical skillset.

## PERSONAL PROFILE

I want to succeed in a stimulating and challenging environment, building the success of the organisation while I experience advancement opportunities.

## THE ACADEMIC PROJECTS

- A Case study of Ahmedabad Bus Rapid Transport System.  
(site: Ahmedabad, India)
- Conducted traffic surveys (CVC counts, Axle load survey, O-D survey)  
(site: Ahmedabad, India)
- Planning for transportation in the United States as part of Vision 2050.
- Scheduling and Estimation for high-rise residential building using Primavera P6.
- Formulation of T.P Scheme and Infrastructure Elements including Roads and Transportation at a district level and its Integration with the larger plan.  
(site: Ambli, Ahmedabad, India)
- Study for developing higher insight of street as a place in which the elements of urban planning interact  
(site: C.G.Road, Ahmedabad)

## CERTIFICATIONS

### AUTODESK AUTOCAD

- Autodesk AutoCAD 2012  
Training by Autodesk  
CAD center

### INTELLIGENT TRANSPORTATION SYSTEMS BY ITE

- Fundamental Concepts related to ITS
- Opportunities & connected vehicles
- ITS applications for personal & public transportation

### LYNDA

- Micro Station 3D
- ArcGIS
- MATLAB
- Tableau

## SOFTWARE SKILLS

AutoDesk Revit	<div style="width: 80%;"></div>
Microsoft Visio	<div style="width: 90%;"></div>
BEST	<div style="width: 75%;"></div>
Navisworks	<div style="width: 70%;"></div>
ArchiCAD	<div style="width: 85%;"></div>
RSMeans	<div style="width: 60%;"></div>
STAAD Pro	<div style="width: 75%;"></div>
Microsoft Project	<div style="width: 85%;"></div>
Vu360	<div style="width: 50%;"></div>
Rhino	<div style="width: 50%;"></div>

## TECHNICAL SKILLS

Mac OS	<div style="width: 80%;"></div>
Windows	<div style="width: 90%;"></div>
Microsoft Office	<div style="width: 95%;"></div>

## PROFESSIONAL SKILLS

CUBE	<div style="width: 60%;"></div>
Primavera	<div style="width: 95%;"></div>
HCS-HCM	<div style="width: 85%;"></div>
AutoCAD	<div style="width: 80%;"></div>
ArcGIS	<div style="width: 90%;"></div>
Micro Station	<div style="width: 70%;"></div>
VISSIM	<div style="width: 85%;"></div>
MATLAB	<div style="width: 90%;"></div>
Tableau 9	<div style="width: 75%;"></div>
Synchro Sim Traffic	<div style="width: 70%;"></div>

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## RESEARCH PROJECTS AND ASSISTANSHIPS

Research paper on Feasibility of GNSS Road Pricing. (Singapore)

Origin-Destination survey of NYC Citi bike and it's usefulness in data collection with the help of ArcGIS. (Manhattan, NY)

Research paper on Intelligent Freight Transportation Systems.

Research paper on traffic free junctions.

Research Assistantship at Gujarat Technological University

## DUTIES AND RESPONSIBILITY

- \* Preparing Bill of Quantities.
- \* Taking site measurement and preparation of monthly valuation
- \* Follow up with main contractor for getting Payment Certificate
- \* Identify the Variations and negotiate with the consultant
- \* Estimate quantities and cost of materials, equipment, and labour.
- \* Cost analysis
- \* Cash flow forecast
- \* Daily Consultant, Contractor and Client co-ordination & correspondence.
- \* Materials Ordering and Management.
- \* Monthly progress reports

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## INTERESTS

- Multimodal transport systems
- Transportation Economics
- Road Network Design
- Intelligent Transportation Systems
- Traffic Simulation
- Risk Analysis
- Transit systems planning
- Feasibility Assessment
- Public transportation planning
- Strategy formulation
- Parking Design
- GIS
- Project Management
- Value management
- Quantity Survey and Estimation
- Cost control
- Procurement strategy
- Building Substructure
- Change control
- Infrastructure
- Project management
- Water-related schemes
- Feasibility studies
- Transportation infrastructure
- Freight Management
- Planning and design

## KEY SKILLS AND COMPETENCIES

The experience of the tender stage & of dealing with procurement issues.

The experience of working on civil engineering projects.

Experience at Section QS level.

Comprehensive understanding of statutory building regulations.

Excellent working knowledge of commercial procedures.

Knowledge of computerised cost capture & value monitoring systems.

Thorough knowledge of Company health, safety, quality and environment procedures.

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## THE PROFESSIONAL EXPERIENCE:

Hunt Engineers, Architects, Surveyors - Transportation Engineer July 2017 - Present

Being acquainted with HUNT as a transportation engineer, I have been working on number of Monroe County, NYSDOT, PennDOT projects.

- Traffic study for the Former Corning Hospital Site.
- Norton Road, Monroe County Road Improvement Project.
- State Route 366 Pedestrian Crosswalk project ( Cornell University).
- Wilks-Barre Wyoming Airport Runway Rehabilitation.

New York City Transit - Intern (Dept. of Buses) Nov. 2016 - May 2017

- Learning of project management skills by being empowered and responsible for major and minor projects that will be worked together with administrative staff.
- Analyzing risks for buses in the emergency.
- Data collection of NYCT buses and analysis of bus timings.
- Working on DOB Policies, procedures and training methodologies.

GRICL (IL&FS Pvt. Ltd.) - Traffic Engineer July 2015- Dec. 2015

- As a traffic engineer, responsible for carrying out and supervising traffic surveys.
  - Analysed data with various software and checked it's viability for the project.
- Ensured cost effectiveness of project while allowing high-quality construction by value engineering.

L&T CONSTRUCTION Pvt. Ltd. - Site Engineer July 2014- March 2015

Being acquainted with construction industry for the possibility of monolithic construction imperative to provide larger floor area at parking facilities and terminals.  
Report preparation on case studies of monolithic construction.

Roads & Building Dept., Govt. of Gujarat - Research Engineer July 2013- May 2014

Feasibility studies and traffic signal planning along with real-time monitoring surveys.

## OTHER ACADEMIC PROJECTS

- Cost estimation and valuation of Hathijan village, Ahmedabad along with planning and quality of living consideration. (2012)
- Real-time planning for six elevated station construction of Ahmedabad Metrorail construction (MEGA) (ongoing)
- Cost estimation and valuation of Orchid Crown Project - Mumbai (2014)
- Cost estimation and valuation of Mumbai Monorail Project.
- Conducted a survey to find the relation between annual electrical consumption of a flat with respect to its orientation and the height.
- Risk Analysis of two-storeyed residential building with a basement in a coastal area. (site: Coney Island, Brooklyn, NY)
- A case study of Monolithic construction for High-rise Residential building and bagged the prize in the university level event for the same. (site: Ahmedabad, India)
- Surveying of river bed using a dumpy level and total station. (site: Gandhinagar, India)

## POSITIONS OF RESPONSIBILITY

- Appointed as Sports secretary in the university during my undergrads.
  - Reported at IRC (Indian Roads Congress).
  - Represented Gujarat in the National level martial arts championship.
  - Established a social group which do community service towards senior citizens.
  - An active member of ITE. (Institute of Transportation Engineers)
  - An active member of Student ASCE. (American Society of Civil Engineers)
  - Winner of National Level Martial Arts Karate competition conducted by Sports Authority of India.
  - Represented my city, Gandhinagar at state level Mental Arithmetic competition.
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