

HEMANT SARIDE

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EDUCATION

New York University Master of Science in Transportation Planning and Engineering	New York, Brooklyn 05/18
College of Engineering, Anna University Bachelor of Engineering in Civil Engineering	Chennai, India 05/15

SOFTWARE AND TECHNICAL SKILLS

Design Software: AutoCAD, Revit Architecture, MX Road, 3ds max
Analysis Software: Staad.pro, Etabs
Traffic Software: Aimsun, Synchro, SimTraffic, HCS
Others: Arc GIS & CUBE, C++, Java, Microsoft Project, Primavera Risk Analysis

PROFESSIONAL EXPERIENCE

Junior Design Engineer, Stonefield Engineering and Design LLC	New York, United States 06/17 – 08/17
<ul style="list-style-type: none">Worked through Stages I II & III of the PERM 33-COM NYSDOT for the Commercial Access Highway Work Permit Application and ChecklistUsed Synchro for analysis and optimization of traffic signals at intersectionsGathered the available data and created Stonefield's own ITE manual for Land Use 944 (Gasoline/Service Station) & 945 (Gasoline/Service Station with Convenience Market)Analysed sidewalks for ADA compliance using an electronic digital level by determining the appropriate running and cross slopesWorked on creating accident analyses to address safety issues of the site	
State Urban Transportation Agency (TNSTC)	Chennai, India 01/15 – 05/15
<ul style="list-style-type: none">Performed traffic and passenger surveys through data collectionIdentified and analysed issues through passenger feedbackThe analysis identified the critical areas and the analysis was submitted to the road transport authority	
Research Assistant, Department of Traffic Engineering, Anna University	Chennai, India 08/14 – 06/15
<ul style="list-style-type: none">Analysed traffic and congestion data and led to the alteration of the traffic light signal timings at critical junctions in the metropolisEstablished traffic patterns using GPS and analysed collected data using Trans CAD	
Traffic Research Intern, ETA Ascon	Dubai, United Arab Emirates 06/14 – 07/14
<ul style="list-style-type: none">Interned in the Traffic and Urban Planning departmentFocused on the traffic alleviation around the construction of "TRUMP International Golf Club" which sits at the heart of the 42 million square foot master development, with a massive projected traffic pattern	
Intern, Landmark Construction	Chennai, India 06/13 – 08/13
<ul style="list-style-type: none">Assistant site engineer to 3 sites comprising commercial buildings and residential villasFocused on construction safety gear and on logistics of freight vehicles and freight transportation	
Inventory Assistant, Urban Tree Dimensions Limited	Chennai, India 05/12 – 06/12
<ul style="list-style-type: none">Conducted inventory management and reported statusHelped oversee and supervise the flow of goods destined for inspection	

ACADEMIC PROJECTS

Gravity Model for Origin Destination study of Citi bike	NYU, Brooklyn 09/16 – 12/16
<ul style="list-style-type: none">Identifying the mode choiceConstructed an O-D matrix using Gravity ModelTrip distribution between different zones were determined	
Traffic Flow Analysis at work zone	Chennai, India 08/14 – 05/15
<ul style="list-style-type: none">Aimed at analysing the effects of metro rail construction at critical work zoneConducted traffic flow surveys using GPS trackers installed in vehiclesCollected data was used to modify signal timings	
Performance Evaluation of Regional Bus Operation	Chennai, India 01/15 – 05/15
<ul style="list-style-type: none">Aimed at improving utilization of public transport system by identifying and analysing issues from passenger feedbackPerformed traffic and passenger surveys through data collectionThe analysis identified the critical areas and the analysis was submitted to the Transport Corporation, Chennai	