

# SREE DISHA PEDDAPALLI

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## Education

**Master of Science: Civil Engineering (3.4 GPA), 12/2016,**  
**Lawrence Technological University - Michigan, USA -**

**Bachelor of Science: Civil Engineering (3.5 GPA), 05/2013,**  
**Jawaharlal Nehru Technological University - India -**

## Skills

**Technical skills:** Competent in using Highway and Bridge design codes: MUTCD manual, Highway safety manual, AASHTO Green Book, AASHTO LRFD Bridge Design Specifications

**Programming languages:** C, C++ General software: MS office, Photoshop

**Technical & Engineering software:** AUTO CAD civil 3D, PRIMAVERA P6, MICROSTATION, GEOPAK, SYNCHRO, VISSIM, STAAD-Pro, ABAQUS, HYPERMESH

## Key Courses

Techniques and Project Planning and Control, Advanced Construction Techniques and Methods, Concrete Engineering, Traffic Engineering, Highway Safety Engineering, Traffic Characteristics, Bridge Design, Geometric Highway Design, Finite Element Analysis, Environmental Engineering, Waste Water Treatment

## Work History

**Traffic Intern (May 2016 - August 2016),**

**Road Commission Oakland County – Michigan, Department of Traffic Safety**

- Installation Of Weight Limit Signs for Heavy Vehicles throughout Oakland County using AutoCAD
- Creating Work orders, sign inventory documentation, field observations with using 3M sign management software and Supervised other engineers and technicians
- Participated in Traffic Switch, Pavement Markings of Road Projects
- Highway Road Design on MICROSTATION
- Thorough understanding of the manual on uniform and traffic control devices (MUTCD), the plan, specs, and estimate development process, and other traffic signal design standards and requirements
- Traffic Operational Studies on signal timing and phasing, signal warrant study
- Traffic Characteristics study with Level of Service, Delays, Storage lanes, Cycle Lengths
- Visited project sites during construction to monitor progress and consult with contractors and on-site engineers.

**Research Assistant (September 2015 – December 2015),**

**Lawrence Technological University – Southfield, MI**

- Investigation of Concrete's parameter- Characteristic Temperature – In Modeling Concrete Thermo-Mechanical Behavior
- Developed the Failure Surfaces in Biaxial Stress Space by using previous Mathematical Models
- Produced the biaxial limit design stress surfaces representing the onset of large, near failure, deformations

**Field Engineer (April 2013 – September 2014),**

**Maruthi Constructions – Telangana, India**

- Drawings, estimation of quantities and planning for the execution, quality control for road projects, field material testing
- Technical surveys for the development of road way, intersection, and bridge construction plans
- Project Reports and documentation

## Certification/License

Engineer in Training Certification NCEES (U.S.A.) - attending in February 2017

## Professional Affiliations

Student Member, American Society of Civil Engineers

Student Member, American Concrete Institute

## References

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