

Akash Patel

258 Liberty Ave, Jersey City NJ 07307 (201-673-6395, akashpatel.sit@gmail.com)

- OBJECTIVE:** Seeking an internship/co-op as Civil Engineer working with experienced engineers that will utilize my analytical and problem solving skills in a fun and dynamic work place.
- EDUCATION:** **Stevens Institute of Technology**, Hoboken, NJ Expected Dec 2017
Master of Engineering in Civil Engineering
GPA: 3.443/4.0
Course Work: Advanced Reinforced Concrete Structures, Advanced Steel Structures, Introduction to Finite Element Methods, Geotechnical Design, Soil Behavior and its Environmental Applications, Advanced Structural Analysis.
Dharamsinh Desai University, Nadiad, Gujarat, India June 2014
Bachelor of Technology in Civil Engineering
GPA: 6.74/10
- SKILLS:** **Software:** AutoCAD 2014/2016, Abaqus, Fundamentals of Staad Pro, Google SketchUp, Microsoft Office.
- WORK EXPERIENCE:** **Stevens Institute of Technology**, Hoboken, NJ Jan 2017-Present
Teaching Assistant, Introduction to Finite Element Method.
- Designing and evaluating assignments, projects, exams, and having office hours for Introduction to Finite Element Method.
- BN Precast Pvt. Ltd.** Ahmedabad, Gujarat, India June 2014-Dec 2015
Lead Engineer.
- Prepared Contract drawings, specifications and worked as on-site WallTec expert for Sumitomo Mitsui Construction Company for their project Honda Two Wheeler Manufacturing Plant in Gujarat, India.
 - Developed drawings, specification and other documents for retrofitting an existing building (Shalby Hospitals) by installing WallTec walls in less than 4 months, including development of custom carting solutions based on site condition.
 - Designed and developed a process to manufacture Light Weight Aggregate (LWA) using Autoclaved Aerated Concrete(AAC) waste. Which lead to 34% weight reduction in WallTec panels.
 - Documented and built prototype low cost sanitation unit for rural villages in India as per "[Clean India Mission](#)" guidelines.
 - Established a quality control laboratory for raw materials and finished product.
 - Identified and implemented work practices that improved safety and operational cost.
 - Following up with local government authorities for approval of WallTec as building material in government projects.
- Savvy Infrastructures Pvt. Ltd.** Ahmedabad, Gujarat, India Dec 2013 - Mar 2014
Engineering Intern.
- Coordinated designed discussion between architects and onsite team throughout project development.
 - Verifying materials procurement as well as managing vendors and sub-contractors during various phases of construction.
 - Planning and overseeing material tests as well as reviewing reports.
 - Measured and valued of construction progress as part of project surveying team.