

# Akash Patel

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**OBJECTIVE:** Seeking an internship/ fulltime as Civil Engineer working with experienced engineers that will utilize my analytical and problem solving skills in a dynamic workplace.

**EDUCATION:** **Stevens Institute of Technology**, Hoboken, NJ Expected Dec 2017  
Master of Engineering in Civil Engineering  
**GPA:** 3.63/4.0  
**Course Work:**

- Advanced Reinforced Concrete Structures
- Introduction to Finite Element Methods
- Advanced Structural Analysis
- Soil Behavior
- Construction Safety Management
- Advanced Steel Structures
- Geotechnical Design
- Advanced Mechanics of Materials
- Construction Accounting

**Dharmsinh Desai University**, Nadiad, Gujarat, India June 2014  
Bachelor of Technology in Civil Engineering  
**GPA:** 6.74/10

**SKILLS:** **Software:** AutoCAD 2016, Autodesk Robot, Abaqus, Fundamentals of Staad Pro, Google Sketch Up, Mathcad, Matlab, Microsoft Office.

**EXPERIENCE:** **Stevens Institute of Technology**, Hoboken, NJ Jan 2017-May 2017  
*Teaching Assistant*, Introduction to Finite Element Method.  
**Tasks:**

- Evaluating assignments, projects, exams, and having office hours.

**BN Precast Pvt. Ltd.** Gujarat, India April 2014-Dec 2015  
*Lead Engineer*, on following projects.  
Honda Motors Two-Wheeler Plant; Shalby Hospital; Adani Shantigram Housing.  
**Tasks:**

- Introduced precast hollow core walls to India and got it approved as building material from Road and Building Department of India.
- Designed and developed an impact crusher to manufacture Light Weight Aggregate using Autoclaved Aerated Concrete (AAC) waste, which lead to 34% weight reduction in precast walls.
- Built a custom independent Material Lift for multi-story projects to deliver precast walls to different floors, which lead to completing the project before timeline and to saving over \$50000.
- Prepared CAD drawings, production schedules, contract documents, performance specification and reports for all active projects.
- Supervised and trained a 14 personnel precast wall installation team.

**Savvy Infrastructures Pvt. Ltd.** Gujarat, India Dec 2013 - Mar 2014  
*Engineering Intern*.  
**Tasks:**

- Supervised working labor to ensure strict conformance to methods, quality and safety.
- Documented and performed visual quality check of RCC works such as foundations, columns, beams, walls and slabs etc.
- Prepared weekly reports of progress of the project.

**CERTIFICATES:**

- New Jersey EIT application in process, FE passed on Aug 02 2017. ([Verifiable Link](#))
- OSHA 30 Hour Construction.