

# VAIBHAV PATEL

## CIVIL ENGINEER

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LINKEDIN PROFILE: [www.linkedin.com/in/vaibhav1206](https://www.linkedin.com/in/vaibhav1206) | [Cover Letter](#)

### PROFILE:

A Civil Engineer, always striving to learn and believe in working diligently. I perceive engineering as an amalgamation of technology and sustainability. The thorough knowledge that I have received from my academics has made me certain that engineering leads to a better standard of living if practiced efficiently and to contribute my expertise and passion for engineering excellence with comprehensive understanding of engineering principles, codes, and regulations allows me to navigate complex challenges and ensure compliance with industry standards.

### KEY SKILLS:

Team worker  
Time management  
Problem-solving  
Quick learner  
Site Supervision  
Project Estimation  
Site safety rules enforcement  
Attention to details  
Construction Design

### SOFTWARE PROFICIENCY:

Autodesk Autocad  
Autodesk Revit  
Microstation  
Naviswork  
Solibri  
Bluebeam Revu  
Google Sketchup 3D  
Adobe Suite  
Microsoft Office Suite.

### EDUCATION:

**MASTERS OF SCIENCE IN CONSTRUCTION ENGINEERING AND MANAGEMENT (MS.CEM)**

(Sept. 2022- May 2024)

*Stevens Institute Of Technology, Hoboken, New Jersey.*

GPA: SEM 1 : 3.77 / 4 | SEM 2 : 3.78 / 4

#### COURSES:

- Problems in Heavy Construction, Construction Engineering I, Computer Applications in the Construction Process, Construction Safety Management, Advanced Project Controls in the Built Environment, and Construction Materials.

#### PROJECT WORK DETAIL:

- BIM of Hospital Building:  
Delivered clash detection using Navisworks and Compliance Checking using Solibri in order to create a complete report for investigating the clash of space between different disciplines.  
Designed work breakdown structure for hospital building and constructed the quantity take-off using RS mean.

**BACHELOR OF ENGINEERING IN CIVIL ENGINEERING (B.E.)**

(Aug. 2016- April 2020)

*Gujarat Technological University, Ahmedabad.*

CGPA: 7.77/10

#### COURSES:

- Construction Management, RCC/ Steel Structures, Concrete Technology, Traffic Engineering, Soil Mechanics.

#### PROJECT WORK DETAIL (FINAL PROJECT):

- My final year project on "REPLACEMENT OF FINE AGGREGATE WITH STEEL SLAG AND CEMENT WITH FLY ASH" in which I replaced fine aggregate with steel slag and fly ash at a 30% ratio of the total concrete mixture with required study materials.
- The result showed that the addition of steel slag and fly ash into the optimum (30%) mixture enhanced its compressive, tensile, and flexural strength. Also, it increased the workability of the fresh concrete due to the addition of fly ash to the concrete.

## CERTIFICATION:

- OSHA 30 – 360 Training
- Autodesk AutoCAD
- Google SketchUp
- Construction Project Management – Coursera
- Introduction to Bluebeam Revu 20 – LinkedIn
- Construction Management Foundations – LinkedIn

## WORK EXPERIENCE:

### JUNIOR SITE ENGINEER

(Jan. 2021-July 2022)

*Vision Architects, Surat, India.*

- To monitor the proceedings as per architectural plans. Surveyed development tasks for consistency of plan guidelines and plans and on top of that Managed materials log and assisted with drafting different trade drawings through AutoCAD.
- Site surveying to collect data on soil characteristics, construction materials, dimensions, and methods to be used on-site within safety regulations and local laws under the supervision of a senior site engineer.
- Prepared track record of material utilization, cost, and progress reports.
- Consistently inspected progressive work as indicated by the timetable and Prepared punch-list items of various Jobsite and scheduled/implemented with various trades.

## ACCOMPLISHMENTS:

- Participated in an International Education Program (IEP) of 40 days held in Bulgaria, Europe. This is a collaboration between Gujarat Technological University and the University of Architecture, civil engineering and Geodesy (UACEG), Bulgaria. The courses I studied there were irrigation engineering and hydraulic structure.
- Attended workshop for entrepreneurship Awareness Camp, conducted at SVNIT, Surat. The workshop was supported by the National Science & Technology Entrepreneurship Development Board (NSTEDB) under DST-NIMAT Project by the Government of India.
- Contributed to “Sharam Daan and Jan Jagruti Abhiyan/ODF Survey” under Swach Bharat Mission Project as a student volunteer.
- Participated in ample technical events conducted in inter-college competitions.
- Worked as an organizer and as a participant in sports, college tech fest & cultural fest.

## LANGUAGE PROFICIENCY:

- English
- Hindi,
- Gujarati
- Spanish