



AKSHAT SHAH

Structural Design Engineer

"Seeking challenging assignments in the field of Structural Engineering with a reputed organization to utilize acquired skills in accomplishing organizational and individual growth objectives"



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Ahmedabad

CORE COMPETENCIES

- Structural Designing
- Load Assessment
- Beam and Slab Calculation
- Building Methodologies
- AutoCAD and STAAD Pro
- Health and Safety Compliance
- Documentation and Reporting
- Project Delivery
- Team Coordination
- ETABS and REVIT Architecture

ACADEMIC PROJECTS

Rerouting and rescheduling of the public transportation system - A case study on Ahmedabad city | 1 year

- Project designed to overcome the problem of delay in time for AMTS bus arrival at a stop because of traffic congestion on a particular AMTS route.
- Recommended re-routing of the existing route and increasing the frequency of buses based on the projected passenger volume.
- Have won accolades during my final year project fair in Bachelor of Engineering

**Theoretical Concept of Tall Buildings
6 Months**

- Conducted research on the development of new technologies in composite construction of tall buildings from Indian Standard code (IS 16700:2017)

EXTRACURRICULAR ACTIVITIES

I have participated in multiple Technology Fests organized by GIT and Nirma University; have won accolades during my final year project fair.

PERSONAL DETAILS

Date of Birth: 13th February 1997

Languages Known: English, Hindi, and Gujarati

Nationality: Indian

Address: 10, Tilak Appt. Part -2, Near HCG Hospital, Mithakhali Ahmedabad - 380006

EXECUTIVE SUMMARY

- Took 6 months training from Khodiyar Cad Center, Ahmadabad
- A qualified M. Tech. in Structural Engineering and a BE in Civil Engineering with 2 months of internship exposure as a Structural Design Engineer Trainee.
- Proven track record of working on multiple projects related to structural designing and presenting a dissertation on the study of shear wall with openings in multi-storied buildings at different locations as a part of the academic curriculum.
- Knowledgeable in designing and constructing buildings and structures and consequently improving the structural integrity of existing buildings.
- Participated in a webinar titled Structural Analysis using ETABS Software organized by R.N.G Patel Institute of Technology including a two-day seminar of Revit organized by GIT.
- An effective communicator with exceptional interpersonal skills and hands-on experience in managing exigencies.

PROFESSIONAL TIMELINE

January 2020 - February 2020

Structural Design Engineer Trainee

Achal Parikh Consulting Engineers, Ahmedabad

Key Profile:

- Conducted manual calculation of beam and slab and also updated grid in the STAAD Pro software.
- Upgraded knowledge on the functioning of various departments in the organization.
- Assisted the senior team members in preparing various documents and reports.

May 2019 - June 2019

Structural Design Engineer Trainee

Accent Engineering and Design Services, Ahmedabad

Key Profile:

- Worked on a project related to the analysis and design of G+4 hostel building in STAAD Pro and design of G+3 building in Excel Sheet.
- Prepared the geometry in STAAD and added dead loads in different components as per the Indian Standard 875 part-1 and live loads as per Indian Standard 875 part-2.
- Ensured application of Seismic Definition as a reference load based on Indian Standard 1893 and added load combinations as per Indian Standard 456-2000.
- Finalized the details of the plinth beam and footing design based on the evaluated results of the load in STAAD.
- Designed one-way continuous slab, two-way slab, beam, and column and subsequently made the footing design based on Indian Standard 456:2000.

2020

M. Tech (Structural Engineering) (7.10 / 10) | Ganpat University

Presented dissertation on the study of the shear wall with openings in multi-storied buildings at different locations (subsequently published by the International Research Journal of Engineering and Technology (p- ISSN: 2395-0072 and e- ISSN: 2395-0056), May 2020

2018

B E (Civil Engineering) (7.03 / 10) | Gujarat Technological University