

Aneri Desai

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SUMMARY

To achieve high career growth through focusing and learning new techniques in a growing organization where I can get opportunities to prove my abilities, fulfilling organization goals and developing skills at every stage of learning.

INTERNSHIP

S3M Design Consultants, Ahmedabad.

(Jan 2023 – Present).

Analysis and Design of various units of Sewage Treatment Plants. Understanding of Soil Reports and Basics of Foundation Design.

Bhagat and Associates, Surat

(May 2022 – July 2022).

Analysis and Design of a G+2 RCC Bungalow with various architectural constraints.
Analysis and Design of various Industrial Sheds for VNSGU.

Jayesh Dalal and Associates, Surat.

(August 2020 – December 2021).

Involved in Member designing of various RCC elements at the undergraduate level. Developed software skills, Learned different types of reinforcement placing in slab and beam, Projects Comprised of RCC residential and commercial Structures.

Construction Training at Bridge, Surat.

(June 2019 – July 2019).

Completed training at the construction of ROB near Surat Railway Station at KM 265/9-13 between station Surat and Udhna Across Surat-Mumbai Railway Line near Culvert No.445, Surat, EPC basis.

EDUCATION

Masters in Structural Engineering Design (2021- 2023) * Currently Pursuing

CEPT University | Sem I G. P. A. – 3.00 / 5.00 | Sem II G. P. A – 3.10 / 5.00 | Sem III G. P. A – 3.0 / 5.00

Bachelor of Civil Engineering (2016-2020)

Gujarat Technological University | C. G. P. A. – 8.72 / 10.00

GSEB Board – 12th (2016)

Gujarat Secondary and Higher Secondary Education | Percentage – 65%

GSEB Board – 10th (2014)

Gujarat Secondary and Higher Secondary Education | Percentage – 82%

SOFTWARE SKILLS

AutoCAD | Staad.Pro | ETABS | SAFE | RHINO | Microsoft Office | Grasshopper

AREA OF INTEREST

Industrial Structures | Steel Structures | Bridges & Flyovers | High-rise and Low-rise Residential and Commercial Buildings

PRIME ACADEMIC PROJECTS

- 1. Heavy Industrial Structures:** This Project was carried out to understand the analysis, design, and detailing of different industrial structures like an Industrial manufacturing Industrial Shed, Steel Silo & 125m high RCC Chimney. . For Industrial Shed (PEB) Structure, the scope of work was from Understanding Mechanical drawings with heavy Machinery to Final Structural layout using PEB Sections & Connection Detailing. For Steel Silo, Forces in the different members like Plates, Stiffeners, Beam, Column & Bracings were studied, designed and provided connection. For a 125m high RCC chimney, Analysis for Gravity Load, Wind load, Earthquake load & Temperature loads were done. Further iterations were done for optimization.
- 2. High-Rise Buildings - RCC:** This project aims to Design a G+10 RCC Residential Building for gravity loads as well as lateral loads with site constraints and comparing the same building with two structural systems in Seismic Zone 5 in terms of Lateral forces, Seismic behavior of structure, Displacement & Member Sizes.
- 3. Industrial Building – Steel:** The project was proposed to carry out the design of a Steel Structure supporting solar panels at 4.0m height in an area of 15m x 50m by limit state method based on IS 800-2007. Saw-tooth pitched Truss was adopted for Solar modules, then analysis and design were carried out from GA drawings till Structural Layout and Connection Detailing.
- 4. Replacement of Fine Aggregate with Steel Slag and Cement with Fly ash:** Experimental study is conducted to evaluate the strength characteristics of hardened concrete. The properties of concrete have been assessed by partially replacing cement with Fly-Ash and sand with Steel Slag.

WORKSHOPS & WEBINARS ATTENDED

1. Entrepreneurship Awareness Camp (EAC) at SVNIT
2. Failure of Morbi Suspension Bridge, Indian Association of Structural Engineers.
3. Seismic rehabilitation and retrofitting of buildings
4. Construction of the World's Largest Narendra Modi Cricket Stadium at Motera, Ahmedabad. |Speaker: Mr. A. T. Samuel, Director, STUP Consultants Pvt Ltd.
5. Insights on the 2010 Canterbury earthquake sequence, New Zealand | Speaker: Mr. Jitendra Bothara.

BEYOND CURRICULAR

1. Member of IAStructE Student Chapter, CEPT University (August2021-Present)
2. Technical secretary at C. K. Pithawala college of engineering and technology (2019-2020)
3. GTU tech fest event management team for Techfest.
4. Swachh Bharat Mission(Gramin), Surat (2016)
5. Active participant and volunteer in Debate and cultural fest.
6. State examination board Gujarat state-elementary drawing grade examination-grade-A
7. State examination board Gujarat state-intermediate drawing grade examination-grade-A

PROFESSIONAL SKILLS

Leadership & Communication | Time Management | Analytical & Hard Working | Design Skills| Team Work | Critical Reasoning | Innovation | Organization Skill.

DECLARATION

I hereby declare that the above-mentioned details in this resume are true, complete and correct to the best of my knowledge and belief.

PLACE: Surat, Gujarat

(Aneri Desai)