

MUGDHA CHAUDHARI

STRUCTURAL ENGINEER

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Hometown: Dondaicha, Maharashtra.
Current Location: Navi Mumbai

PROFILE SUMMARY

I am looking for role as a Structural Engineer. I believe in continuous learning, hard work and speedy adaptation. I am passionate and curious about the Structural Engineering Domain.

EDUCATION

M.Tech Structural Engineering Design

(2021 - 2023)

Faculty of Technology, CEPT University, Ahmedabad, Gujarat.

CGPA 3.1/ 5

B.E Civil - Savitribai Phule Pune University

(2017 - 2021)

K. K. Wagh College of Engineering Education and Research, Nashik.

CGPA 7.91/ 10

H.S.C. Maharashtra State Board

(2015 - 2017)

Pushpadevi Duggad Jr. College, Pune.

Aggregate 62.92 %

S.S.C. Maharashtra State Board

(2014 - 2015)

S. V. S Girls Highschool, Dondaicha.

Aggregate 92 %

EXPERIENCE

TPF Engineering Pvt. Ltd. Mumbai

(July 2023-Present)

Assistant Manager

Involved in proof checking and analysis of PSC components of bridge, RCC

Components of bridge, Superstructure, Substructure, Box Culverts, MNB, VOP, VUP.

SID Consultants, Ahmedabad

(May - July 2022 ; Jan - May 2023)

Structural Engineer Intern (3 Month full time and 6 Month part time with Edu.)

Involved in design and detailing of different structural elements and analysis of the Bridge and its components.

SOFTWARES

- STAAD Pro (Proficiency level- Moderate)
- MIDAS (Proficiency level- Beginner)
- Etabs (Proficiency level- Moderate)
- MS Office (Proficiency level- Moderate)

ACADEMIC PROJECTS

Design Of Bridges

(M.Tech Sem – 4, 2022-2023)

The design conceptualization, structural analysis, optimization, manual design calculations and structural drawing of the Superstructure-Curved Composite Box Girder and Substructure of a Flyover Bridge.

Industrial Structures

(M.Tech Sem – 3, 2022-2023)

- **Silo** : Analysis and Design of Steel Corrugated Silo for storing maize (Capacity: 6800 Tones).
- **RCC Chimney** : Analysis and Design of RCC Chimney (125m tall) as per IS 4998.
- **Industrial Shed** : Analysis and Design of Industrial shed having a gantry crane as per IS:800 using Staad.Pro.

High Rise Building – RCC

(M.Tech Sem – 2, 2021-2022)

Design and Detailing of High-Rise Building (G+14) in Zone V using Etabs.

Explored and compared different positioning of shear walls in building and behavior of different cases in terms of effectiveness of walls, stiffness, displacement, foundations.

Space Truss – Steel

(M.Tech Sem – 1, 2021-2022)

Design and Detailing (Joints) of Cafeteria Space Truss with gravity and lateral loadings to understand the behavior of various structural elements using Staad.Pro.

EXTRACURRICULAR

- Head of drama committee, FORCE (K. K. Wagh College)
- Head of event management (CESA, K. K. Wagh College)
- Proficiency in Indian Classical Singing (Visharad Pratham)
- Hobbies: Yoga, Trekking, Reading, Music.

CO-CURRICULAR

- Certification Training of High- Rise Building Quantity Surveying & Estimation.
- Member of IAStructE Student Chapter
- Member of Indian Plumbing Association

LANGUAGE

- English
- Marathi
- Hindi