Madhav Mevawala

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SUMMARY	As a curious and passionate Structural Engineering student, I'm driven to create sustainable, resilient, and inspiring buildings. My internship experiences not only honed my technical skills but also fueled my desire to merge innovation with environmental responsibility. I envision a future where structures harmonize with nature, fostering vibrant communities. With dedication and creativity, I aim to craft eco-friendly infrastructure that enriches lives and minimizes our carbon footprint
INTERNSHIP	CEPT UNIVERSITY, Ahmedabad, Teaching Assistant, (10 Months; 21-07-2024 to Present) Course delivery, student mentorship, administrative management, and doubt-solving support in an innovative learning environment.
	Sterling Engineering Consultancy Pvt. Ltd, Mumbai Structural Engineering Intern, (02 Months; 01-05-2024 to 08-07-2024). 2 Months of Internship was more focused on Analysis and Design of Tall Buildings referring Indian Standards, developing excel sheets and using software such as ETABS, SAFE, RCDC etc.
	Taknik Consultants, Ahmedabad. Structural Engineering Intern, (02 Months; 01-12-2023 to 29-01-2024). During the internship, the primary focus was on detailing RCC elements likebeams, slabs, and columns, along with proof checking and estimation work for industrial steel structures. Additionally, there was an opportunity to refine hand calculation skills learned during the academic year.
	Sai Consultants(Hiren G. Desai), Surat Structural Engineering Intern, (05 Months; 01-01-2023 to 13-05-2023). During my internship, I honed skills in steel structure design and analysis with StaadPro, optimizing an industrial steel shed for cost-efficiency and. Practical knowledge was gained through site visits to steel Manufacturing plants and construction sites, enhancing real-world understanding. Exposure to estimating, proof checking, and project management further diversified expertise in structural engineering.
EDUCATION	Masters in Structural Engineering Design (17-07-2023) * <i>Currently Pursuing</i> CEPT University Sem I G. P. A. – 4.00 / 5.00 Sem II G. P. A – 4.20 / 5.00 Sem III G. P. A – 3.90 / 5.00
	Bachelor of Civil Engineering (15-07-2019 TO 03-05-2023) Charusat University I C. G. P. A. – 9.67 / 10.00
	Board – 12th (2019) Bhulka Vihar High School 88.09 %
	Board – 10th (2017) I.N.Tekrawala School 95.81 %
SOFTWARE SKILLS	STAAD.PRO, ETABS, RCDC, SAFE, AUTOCAD, REVIT, MICROSOFT- EXCEL & WORD
AREA OF INTEREST	Areas of interest should be related to your academic projects or your field of expertise or previous work experiences or you have relevant subject knowledge about the same

PRIME ACADEMIC PROJECTS 1. Design of G+13 RCC Building with SMRF+SHEARWALL: The project intends to assess and develop a G+13 Storey Commercial Building employing Special Moment Resisting Frames (SMRF) with Shear walls for lateral load resistance. Its primary goal is to examine the building's performance under seismic events, aiming to reduce torsion, displacement, and inter-storey drift. The design integrates all regulatory requirements concerning gravity and earthquake loading. Irregularity assessments follows IS 1893 (Part-1): 2016, while ductile detailing aligns with IS 13920: 2016 specifications.

2. Cafeteria Design Using Stone

The course focused on practical applications of materials in design, emphasizing the structural design process through manual and software-based methods. A key project involved designing a stone roof for a cafeteria, aiming to understand the material, explore form-finding and development, establish a structural system, conduct preliminary design and sizing, analyze the structure, and provide initial detailing for structural components.

3. Design of Structural steel Industrial Factory

The project involves analyzing and designing an industrial building with four parts: Low-Bay, High-Bay, Batch-Plant, and Raw-Material storage. Key features include lifting devices like Monorail, Tandem EOT, and Single EOT. The design adheres to IS 800 (Limit State Method) and considers wind, dead, imposed, and seismic loads. Multiple floor systems were designed, such as chequered plates and deck slabs. A comparative study between roof trusss and raker rafter systems was also done. Connection design, general arrangement drawings, and a basic Bill of Quantities were completed for the project's structural requirements

4. Design Of Pretensioned U-girder Flyover Bridge

This project required in-depth knowledge of various Indian Road Congress (IRC) codes, including IRC-112, 5, 6, and 78. Additionally, it involved a thorough understanding of prestressed concrete principles. Utilizing STAAD.Pro software, the bridge was modeled employing the Grillage method of analysis. Subsequent limit state checks were performed to ensure the bridge's serviceability and strength parameters were met.

CONFERENCES ATTENDED	Tall building conference conducted at Cept university Techtalks with Pro. C.V.R. Murthy regarding recent Draft of IS:1893 Seminar of Pro. N.Subramanian about use of Pervious Concrete in construction industry
ACADEMIC ACHIEVEMENTS	 Elected as central counseling member and representative of Civil department during bachelor's Ranked in top 3 during all semester of bechlors
PROFESSIONAL SKILLS	Public speaking, Organization Skills, Digital Marketing, Good with Softwares required in industry
PERSONAL DETAILS	Date of Birth: 20 th August 2001 Languages: English Hindi Nationality: Indian
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: Ahmedabad, Gujarat

Madhav Ashwinbhai Mevawala