Shobhit Saxena

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Professional Summary

Structural Engineering postgraduate with an M.Tech degree from Amity University (Class of 2025), specializing in seismic and wind analysis, structural modeling, and design optimization using ETABS, BIM Revit, and ANSYS. Proven track record in delivering high-impact structural solutions through advanced simulations and real-world project execution, including the seismic retrofitting of heritage structures. Recognized for academic excellence and a results-driven approach, now seeking to contribute to innovative engineering firms with strong technical acumen and a commitment to practical, resilient design.

Professional Experience

Structural Design Engineer – Technical Projects Consultants Pvt. Ltd

July 2025 – Currently enrolled, Noida

- Executed structural modeling, analysis, and design of RCC and Steel structures in ETABS and STAAD.Pro, ensuring safety and code compliance.

Structural Intern – Pangasa Chetana Designs Pvt. Ltd.

Dec 2024 – July 2025, Sultanpur

- Contributed to structural modeling and analysis of RCC and steel structures using ETABS and STAAD.Pro under the guidance of senior engineers.
- Conducted load assessments, verified design outputs, and ensured adherence to IS codes and project specifications.
- Supported site inspections to monitor structural execution and assisted in resolving design-related queries during implementation

Structural Intern – Skeleton Consultants Pvt. Ltd.

Sept 2024 – Nov 2024, Noida

- Assisted in structural design and analysis tasks for residential and commercial projects using ETABS and AutoCAD.
- Collaborated with senior engineers on verifying load combinations, member sizing, and detailing based on IS codes.
- Participated in design review sessions and learned best practices in structural safety and serviceability checks.

Academic & Industrial Projects
- Comparative Time Response Study: RCC vs Steel (5, 15, 26-storey) in ETABS with Fixed and Spring Supports.
- Seismic Analysis and Design of University of Madhya Pradesh using ETABS and ANSYS 24.
- Seismic Retrofit and Strengthening of Qutub Minar using Ansys 24.
- Detailed Analysis of Fly Ash Concrete and Silica Fume Concrete for sustainable alternatives.

Education
- M.Tech in Structural Engineering – Amity University, Noida (2025) – 7.52 CGPA
- B.Tech in Civil Engineering – ABES Institute of Technology, Ghaziabad (2022) – 8.05 CGPA (with Distinction)

Technical Skills
- ETABS, SAFE, SAP, STAAD.Pro, Ansys 24, BIM Revit 24, AutoCAD 24
- Seismic & Wind Analysis, Structural Analysis & Design, Design Standards
- Python, C/C++, Kotlin, SQL (DBMS), HTML5, Cloud Computing, OpenCV, Project Management