Shobhit Saxena

Ghaziabad, Uttar Pradesh, India | +91 9811000898
Gmail | **LinkedIn** | **GitHub** | **Google Dev.** | **Quicklabs**

Professional Summary

Structural Engineering postgraduate student in the final semester at Amity University with strong expertise in seismic and wind analysis, ETABS, BIM Revit and ANSYS. Experienced in structural simulations, design optimization, and civil project execution. Recognized for academic achievements and hands-on project work, including seismic retrofitting of heritage structures. Eager to contribute to innovative structural engineering firms through practical problem-solving and technical proficiency.

Professional Experience

Structural Intern – Pangasa Chetana Designs Pvt. Ltd.

Dec 2024 – Currently Enrolled, 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 – Swati Structure Solutions Pvt. Ltd.

May 2024 – July 2024, Rohini

- Led seismic analysis and design of University of Madhya Pradesh using ETABS 17.
- Conducted structural simulations with ANSYS and ETABS to improve structural accuracy.

Software and Research Associate, Project Head – ESniff Devices Pvt. Ltd

February 2023 – August 2023, Noida

- Developed backend functionalities for the E-nose using Python and integrated machine learning algorithms.
- Contributed to real-time testing, design, and application optimization.
- Conducted market analysis for target demographic identification.

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 17 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 (Pursuing, 2025 Expected)
- B.Tech in Civil Engineering – ABES Institute of Technology, Ghaziabad (2022) – 8.05 CGPA (with Distinction)

Technical Skills

- ETABS 20, 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