

Hazem Ali El Sayed Mohamed

eng.hazem2025@gmail.com

01009351869

Giza, Egypt



Summary

Passionate and motivated civil engineering undergraduate with a strong interest in structural design and advanced analysis techniques. I am deeply fascinated by unconventional structural systems and complex engineering challenges. Dedicated to continuous learning and innovation, I seek to join a dynamic team where I can apply my skills, contribute to creative structural solutions, and grow into a leading structural engineer.

Experience

Design & Site Engineer

Eng. Ahmed Salman's Engineering Office • Giza

08/2024 - 09/2024

- Worked on the preparation of architectural and structural drawings for residential buildings in compliance with Unified Building Law No. 119 and applicable regulations.
- Managed the compilation of full engineering files and technical documentation required for building permits and reconciliation applications.
- Actively participated in site supervision, ensuring the proper execution of structural works such as shuttering inspection, steel reinforcement verification, and concrete pouring.
- Followed up on architectural finishing works including blockwork, plastering, and flooring, maintaining quality control and adherence to engineering standards.
- Coordinated between office and site teams to support project progress and timely task completion.

Note: This was a professional engineering role with assigned responsibilities, not an internship

intern

EGEC • Belle Vie Project, 6th of October City

08/2023 - 09/2023

- Completed a summer internship in the construction supervision department, participating in the supervision of major activities at the Belle Vie Project.
- Gained valuable site experience, learning how to inspect various structural elements and monitor construction activities to ensure compliance with project specifications and quality standards.
- Developed important **soft skills** including site communication, teamwork, and problem-solving under real construction conditions.
- Worked closely with a professional team of engineers, enhancing both my technical and interpersonal skills.

Intern

El Soadaa Group • High-Speed Railway Project (HSR), Helwan 07/2023 -

08/2023

- Participated in the construction of the High-Speed Railway Project, gaining hands-on experience with **precast girders** and **post-tensioning techniques**.
 - Observed the construction of **piles and foundations under the Nile River**, a significant milestone in my practical training.
 - Developed knowledge in **HSE practices, project management, bridge construction sequencing, and quality assurance** according to codes and project specifications.
 - Learned about **project control and cost management, concrete technology, fresh concrete testing, material testing, and career planning**.
 - Worked closely with a professional and supportive team, gaining valuable insights into real-world structural engineering applications.
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Personal Skills

- Strong analytical thinking and problem-solving abilities
 - Excellent attention to detail in both drawings and site execution
 - Effective communication with technical teams and site workers
 - Ability to work under pressure and meet tight deadlines
 - Highly motivated, fast learner, and committed to continuous improvement
 - Team player with a proactive and professional attitude
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Technical Skills

Proficient In:

- Structural Systems Knowledge: Reinforced Concrete, Steel Structures, Post-Tensioned Systems
- Structural Analysis & Design Software: SAP2000, ETABS, SAFE, CSI Column
- Drafting: AutoCAD
- Design Codes: Egyptian Code (ECP)
- Microsoft Office Suite (Excel - Word - PowerPoint)

Currently Developing Skills In:

- Building Information Modeling (BIM): Revit Structure
 - Post-Tensioned Concrete Design: ADAPT, RAM
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Education

Bachelor of Science in Civil Engineering

faculty of engineering Cairo University

Expected Graduation: July 2025

Graduation project

Reinforced concrete design:

-long span structures

-RC tanks

-High rise building

Military Status:

Exempted
