

FATIMA ASGHAR

Civil Engineer

+923044440314



fatimaasghar329@gmail.com



<https://www.linkedin.com/in/fatima-asghar98/>



Lahore, Pakistan

ABOUT ME

Civil Engineer with hands-on internship experience in site supervision, Pacca brickwork, and residential projects. Thesis on numerical analysis of single piles using PLAXIS 2D/3D and NAVFAC DM7.02. Proven leadership as Vice President of Mechanical Engineering Society; skilled in project coordination, FEM modeling, and teamwork.

EDUCATION

2021 – 2025

BS Civil Engineering

Lahore

The University of Lahore

- Conducted thesis on numerical analysis of single piles under axial loads using PLAXIS 2D/3D and NAVFAC DM7.02.
- Gained hands-on experience in site supervision, foundation monitoring, and layout marking during internships and practical projects.
- Developed technical reporting and project coordination skills through team-based construction assignments.

EXPERIENCE

Jun 2024 – Aug 2024

Internship

Khalid Pervez & Co.

- Assisted in construction site supervision, ensuring timely completion of Pacca brickwork and foundation tasks.
- Supported material handling and measurement activities, improving on-site workflow efficiency.
- Coordinated with mason and contractor teams to monitor day-to-day progress.

2023-2025

Part Time

Residential Building-Self Employed

- Assisted in construction site supervision, ensuring timely completion of Pacca brickwork and foundation tasks.
- Supported material handling and measurement activities, improving on-site workflow efficiency.
- Coordinated with mason and contractor teams to monitor day-to-day progress.

PROJECTS / ACCOMPLISHMENTS

Numerical Analysis of Mesh Sensitivity in Axially Loaded Single Piles – Final Year Project, The University of Lahore | 2025

- Conducted numerical analysis using PLAXIS 3D to study axially loaded single piles.
- Evaluated how different mesh sizes affect axial, bending, and shear responses for efficient geotechnical design.
- Compared results with NAVFAC DM7.02 method for validation.
- Analyzed multiple pile lengths (35, 45, 55 m) and diameters (0.76, 1.2, 2 m) in layered soils from two sites in Lahore.

SKILLS

Technical

- AutoCAD, SAP2000, PLAXIS 3D
- MS Excel, MS Word
- Numerical analysis & geotechnical modeling

Soft

- Problem-solving & quick learning
- Communication & teamwork
- Collaboration & cultural awareness