

# MUHAMMAD JABIR

---

- **Email:** [21201jabir@gmail.com](mailto:21201jabir@gmail.com) • **Mobile:** +923350379095
- **LinkedIn:** <https://www.linkedin.com/in/m-jabir> • **Hometown:** Hangu, Pakistan

## EDUCATION

---

- Bachelor of Civil Engineering** [Graduation Date: 21<sup>th</sup> Aug 2024]  
University of Engineering and Technology (UET) [Peshawar, Pakistan]
- Undergraduate Final Year Project: “To Evaluate the Mechanical properties of rubberized concrete under elevated temperature”.

## INDUSTRIAL EXPERIENCE

---

### Junior Civil Engineer:

Innovative Nanoengineering Consulting Engineers [1<sup>st</sup> Dec 2024 – Present]

#### PMDC Building Project:

- Modeled and designed the PMDC building structure using ETABS.
- Performed quantity takeoff and developed a comprehensive Bar Bending Schedule.

#### Bridge Extension Project:

- Developed structural drawings for the extension of an existing bridge in Islamabad.
- Prepared accurate Bar Bending Schedule, quantity takeoffs, and Bill of Quantities for bridge.

#### Fence and Pergola Project:

- Created detailed structural drawings for a fence and pergola project to be executed in Saudi Arabia.
- Coordinated design details as per international building codes and project specifications.

#### NASHPA Project:

- Prepared accurate Bar Bending Schedule, quantity takeoffs, and Bill of Quantities for various civil structures at Karak.
- Develop structural drawings of ‘Fence and Pergola’ project, to be constructed at Saudi Arabia, using AutoCAD.

## INTERNSHIP EXPERIENCE

---

### Civil Engineer Intern:

C&W, District Hangu: [1<sup>st</sup> Aug 2022–30<sup>th</sup> Sep 2022]

- **Project: Judicial Complex Thall.**
- Assisted in supervising daily on-site construction activities to ensure compliance with engineering drawings and specifications.
- Monitored contractor performance and ensured adherence to quality standards and project timelines.
- Coordinated with site engineers and labor force to maintain safety protocols and efficient workflow.
- Reported progress updates and site observations to senior engineers.

### Civil Engineer Intern:

Ali MarJan and Co. Proprietor. [15<sup>th</sup> Aug 2023 –22<sup>th</sup> Sep 2023]

- **Project: Construction of Primary School.**
- Supervised ongoing construction work, ensuring alignment with structural and architectural drawings.
- Verified material quality and quantity on-site and assisted in maintaining accurate inventory records.
- Ensured that construction work complied with safety standards and site regulations.

- Assisted in preparing daily site reports and coordinated with subcontractors and suppliers.

## PROJECTS AND COMPLEX ENGINEERING PROBLEMS

---

### To Evaluate the Mechanical properties of rubberized concrete under elevated temperature.

- Conducted a comprehensive experimental study to explore the behavior of rubberized concrete exposed to high temperatures.
- Utilized Universal Testing Machine and X-Ray Diffraction techniques to evaluate changes in strength, stiffness, and microstructure.
- Gained insight into thermal degradation effects on alternative concrete mixes, enhancing understanding of fire-resistant structural materials and sustainability in construction.

### Structural Design of a Two-Story Office Building in Seismic Zone III.

- Delivered a safe and efficient structural design for an office facility situated in a moderate seismic risk area, ensuring comp for seismic load considerations.
- Performed detailed modeling and structural analysis using ETABS, focusing on lateral stability and member sizing under combined loads.
- Strengthened practical expertise in earthquake-resistant design strategies and the importance of code-driven engineering decisions.

### Architectural planning and structural design of 100-Bed Hospital in Bannu on a 1-acre plot.

- Developed a fully integrated architectural and structural plan for a modern healthcare facility, balancing limited land area with complex functional requirements.
- Executed zoning, space planning, and structural design using Revit and ETABS, ensuring safety, operational efficiency, and future scalability.
- Deepened multidisciplinary coordination skills and demonstrated the ability to translate healthcare needs into resilient and functional engineering solutions.

## TECHNICAL AND SOFT SKILLS

---

- |  |   |
|--|---|
| • Primavera P6 and Excel.  | • Teamwork                                    |
| • Concrete and Soil Testing.   | • Leadership abilities                        |
| • Non-destructive testing  | • Communication skills                        |
| • Software proficiency (AutoCAD, Revit, Tekla Structures, ETABS & SAP2000) | • Analytical thinking and attention to detail |

## CERTIFICATIONS

---

- **Survey Camp Certificate** held by Department of Civil Engineering, UET Peshawar, Pakistan (Jan, 2024 - Feb, 2024).
- **AutoCAD course** (Digiskills)
- **Autodesk Revit course** (Coursera)
- **Primavera P6** (Coursera)

## LANGUAGE SKILLS

---

- **Urdu** (Native Speaker)
- **English** (Conversational Writing and Speaking)