



MOAWIA HUSNAIN

Civil Engineering Graduate | MS Applicant | Construction Management & Project Engineering

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Taxila, Punjab, Pakistan

WeChat: Moawiacivil

EUROPASS

CURRICULUM VITAE

TECHNICAL SKILLS

Construction Management

Project Monitoring & QC

AutoCAD

Python (AI & Automation)

AI-Powered App Dev

GIS Basics

MS Project / Excel

Material Testing

LANGUAGES

Urdu

English

Punjabi

SOFT SKILLS

- Analytical Thinking
- Technical Report Writing
- Team Collaboration
- Problem Solving
- Attention to Detail
- Research & Innovation

INTERESTS

- Smart Construction Tech
- AI in Civil Engineering
- Sustainable Infrastructure
- Project Automation

REFERENCES

Available upon request from UET Taxila faculty and internship supervisors.

PROFILE

Civil Engineering graduate from UET Taxila with practical experience in construction project monitoring, quality control, and infrastructure site management. Skilled in applying modern technology — including Python-based automation, AI-powered application development, and data analysis — to streamline engineering workflows. Analytical, research-oriented, and highly motivated to contribute to innovative construction management research at postgraduate level.

PROFESSIONAL EXPERIENCE

Engineering Intern

Irrigation Department, Bahawalpur — Pakistan

Jun - Aug 2024

- Monitored construction progress of hydraulic infrastructure through systematic field visits
- Assisted in project documentation, cost tracking, and maintenance of engineering records
- Evaluated work quality against design specifications and reported findings to senior engineers
- Coordinated with site teams to ensure tasks were completed on schedule and within scope

Site Trainee — Construction Field Training

Various Construction Sites, Pakistan

2023 - 2024

- Performed material testing for concrete, soil, and aggregates under active site conditions
- Observed project scheduling, resource allocation, and contractor coordination practices
- Documented quality control procedures and verified compliance with engineering design specifications

EDUCATION

B.Sc. Civil Engineering

University of Engineering & Technology (UET), Taxila

2022 - 2026

Final Semester

Construction Planning, Engineering Economics, Project Scheduling, Highway Engg.

F.Sc. Pre-Engineering

Government Degree College, Lodhran

947 / 1100

Matriculation — Computer Science

Government High School Koondi, Lodhran

936 / 1100

RESEARCH & PROJECTS

Construction Workflow Automation — Python & AI

- Developed Python tools using AI APIs to automate construction data processing and progress reporting
- Built automated scripts for engineering documentation workflows, reducing manual effort significantly

Infrastructure Condition Assessment Study

- Conducted field evaluation of hydraulic and civil infrastructure condition and maintenance needs
- Prepared detailed technical reports with structured improvement recommendations

AI-Powered Engineering Application Development

- Built functional AI-integrated applications using Python to solve practical civil engineering problems
- Applied automation techniques to streamline data collection, analysis, and reporting processes