

Muhammad Ahsan

Phone #: +966508182196 | **Mail:** ahsan.raj6000@gmail.com | **Current Location:** Abi Jafar Al Mansur, Riyadh, Saudi Arabia

| **Driving License:** Saudi Arabia Validity up to 2026 |

PROFILE:

Results-driven **Civil Project Engineer** with strong 5+ years' experience in **site execution, project controls, and resource management** for infrastructure and building projects. Skilled in supervising **manpower, equipment, and material utilization**, coordinating with QA/QC and site teams, and ensuring construction activities align with approved drawings, safety standards, and quality requirements. Proficient in **cost estimation, scheduling, and quantity take-offs**, with hands-on expertise in **AutoCAD, Civil 3D, Revit, Primavera P6, and MS Excel**. Proven ability to optimize **site productivity, manage resources effectively**, and deliver projects on time and within budget.

PROJECT:

- Treated Sewage Effluent Project (57KM Pressure Network Treated Water Pipe Line) (Current)
- Ground Water Project Green Riyadh Saudi Arabia (Current)
- Storm and water Drainage Project Riyadh Region (YRTP 97KM Box Culvert and Pipeline Network) (Completed)
- Extension of Kakpul Bridge & Road Roundabout (Prestress girder bridge two-way Road extension) (Completed)
- J7 Emporium Mall B17 (26 Story Building project) (6 Month Internship)

EXPERIENCE:

Yuksel Insat Saudia

Saudi Arabia, Riyadh

Project Engineer (Storm Drainage / GW / Treated Sewage water Network Project)

December 2023 – Present

- Performed quantity takeoffs for drainage networks, manholes, box culverts, and civil structures using Civil 3D.
- Assisted in cost estimation, budget forecasting, and cost tracking through unit rate application.
- Prepared daily/weekly progress reports covering manpower, equipment, and material utilization.
- Supported Primavera P6 scheduling with activity durations, progress updates, and deviation analysis.
- Verified design compliance with ACI, ASTM, AASHTO, SAES standards.
- Coordinated with QA/QC and site teams to resolve technical discrepancies.
- Contributed to value engineering to optimize material quantities and reduce costs.

Frontier Work Organization

Pakistan, Islamabad,

Site Engineer Engineer (Technical) (Extension of Kakpul Bridge Project)

July 2022 – December 2023

- Supervised site execution for the Extension of Kakpul Bridge Project, including formwork, reinforcement, and concrete works.
- Conducted quantity takeoffs for bridge components such as piers, abutments, decks, and approach roads.
- Prepared and reviewed bar bending schedules (BBS), ensuring material accuracy and timely delivery.
- Coordinated with survey teams to verify geometric alignments and structural levels for bridge construction.
- Monitored material usage, manpower allocation, and equipment deployment to ensure project efficiency.
- Reported site progress, deviations, and technical challenges to project managers for corrective action.
- Ensured compliance with design drawings, project specifications, and QA/QC requirements during execution.

The Urban Solution

Pakistan, Islamabad,

Civil Design Engineer (DHA Phase III Islamabad)

September 2020 – June 2022

- Contributed to road geometric design, pavement profiling, and stormwater drainage systems using AutoCAD Civil 3D.
- Assisted in water supply and sewerage network design, ensuring compliance with client requirements and local standards.
- Prepared design reports, BOQs, and technical proposals for client and internal review.
- Coordinated with survey, geotechnical, and planning teams for design validation and issue resolution.
- Reviewed shop drawings, BIM models, and design calculations to ensure accuracy and compliance.
- Conducted technical site visits to verify design implementation and resolve discrepancies.

SIMCO Builder
Site Engineer Internship (J7 Emporium Mall)

Pakistan, Islamabad,
July 2018 – October 2018

- Collected and documented site progress data to support schedule and cost tracking.
- Prepared daily manpower, material, and equipment usage logs for integration into project reports.
- Assisted QA/QC teams in inspections and coordinated with supervisors to ensure timely approvals.
- Supported preparation of inspection requests and compliance documentation for client reviews.

EDUCATION:

University of Engineering and Technology Taxila, Pakistan
BS Civil Engineering (GGPA 3.48/4.00)

Pakistan, Taxila
February 2016 – August 2020

Punjab Group of Collage
FSC Pre Engineering (1st Division)

Pakistan, Wah Cantt
January 2014 – November 2015

Wah Siddique Public School
Matriculation (1st Division)

Pakistan, Wah Cantt
March 2012 – December 2013

GRADUATION FINAL YEAR PROJECT:

Title: Seismic Analysis of Multi-Storey Building Structure using Response Spectrum Analysis Method

SKILLS:

Technical: Project Management • Quantity Takeoff • Manpower handling • Equipment Handling • Project Scheduling • Project Budgeting • Technical Reporting • QA/QC Coordination • Building Codes & Safety Compliance • Surveying Techniques • Site Inspections • Documentation Management • Risk Assessment • Method Statements • Inspection & Test Plans (ITP) • Structural & Infrastructure Design • Infrastructure Design • Road Network Design • Wet Utilities Design
Tools: • AutoCAD • Civil 3D • Navisworks • ArcGIS • Infracore • Revit • Primavera P6 • MS Project • MS Office Suite

CERTIFICATIONS:

- Procure Construction Management Professional Certificate 12hr PROCORE.[\(link\)](#)
- Construction Project Management 24hr, Columbia University New York. (Coursera).[\(link\)](#)
- Project Management Foundations, National Association of State Boards of Accountancy.[\(link\)](#)
- Project Management: Energy and Water Projects, National Association of State Boards of Accountancy.[\(link\)](#)
- Construction Management: Concrete Construction, Project Management Institute (PMI)®.[\(link\)](#)
- Contracting for Consultants, Project Management Institute (PMI)®.[\(link\)](#)
- Data Management Essential Training, Project Management Institute (PMI)®.[\(link\)](#)
- Autodesk Civil 3D 2025 Essential Training, LinkedIn.[\(link\)](#)
- Civil 3D: Basic Roadway Design National, LinkedIn.[\(link\)](#)
- SharePoint Advanced Document Creation and Automation.[\(link\)](#)
- AutoCAD Civil 3D: Site Design, LinkedIn.[\(link\)](#)
- AutoCAD Civil 3D: Topographic and Boundary Survey, LinkedIn.[\(link\)](#)
- AutoCAD 2022 Essential Training, LinkedIn.[\(link\)](#)
- ArcGIS Pro Essential Training, LinkedIn.[\(link\)](#)
- Primavera P6 Essential Training, Project Management Institute (PMI)®.[\(link\)](#)
- Excel for Project Management, Project Management Institute (PMI)®.[\(link\)](#)
- Excel: Managing and Analyzing Data, Project Management Institute (PMI)®.[\(link\)](#)
- Microsoft Project 2019 Essential Training, National Association of State Boards of Accountancy.[\(link\)](#)
- Revit 2021: Essential Training for Architecture (Imperial and Metric), LinkedIn.[\(link\)](#)

LANGUAGES

- English (Professional) / Arabic (Conversational) / Urdu (Native)