

Syed Usman | Civil Engineer | Project Coordinator | Riyadh, Saudi Arabia

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Professional accreditation – Saudi Council of Engineers

PROFESSIONAL SUMMARY

Civil Engineer with 6+ years of experience in road, railway, and infrastructure projects across full project lifecycle, from concept and detailed design to technical coordination, progress monitoring, and project documentation. Skilled in geometric road design, including horizontal alignments, vertical profiles, grading, corridors, landscape design, and supporting infrastructure works. Experienced in preparing engineering drawings, technical reports, BoQs, reviewing technical submissions, and coordinating multidisciplinary teams while ensuring compliance with SRES, SBC, MOMRA, AASHTO, MUTCD, SHC, ADA, and AREMA standards. Early-career experience in RCC site execution provided a practical understanding of construction methods, quality control, and site requirements, enabling development of practical and constructible engineering designs.

EDUCATION

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| ▪ Bachelor of Engineering in Civil Engineering
Pune University
CGPA: 7.98 / 10 | 2018 – 2021
Pune, India |
| ▪ 3 Years Diploma in Civil Engineering
KGP Srinagar, JKSBOTE
Percentage: 77.5% | 2014 - 2017
Kashmir, India |

WORK EXPERIENCE

Employer: Intecsa Engineering Group Designation: Civil Engineer	Riyadh, KSA March 2024 - Present
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Current Project Details: Next Generation Workshop Project at Riyadh and Dammam, Saudi Arabia in collaboration with Saudi Arabia Railways - SAR.

Responsibilities & Highlights:

- Proposed horizontal alignments and vertical profiles of access roads within the workshops in Riyadh and Dammam using Civil 3D, in accordance with Saudi Railway Engineering Standards (SRES), Highway Design Manual (HDM), AASHTO, MOMRA, MUTCD, SHC, SBC and other relevant standards.
- Developed landscape design, incorporating hardscape, planting elements, parking facilities, while ensuring compliance with Saudi Railway Engineering Standards (SRES), Americans with Disabilities Act (ADA) guidelines, MOMRA, SHC, and other relevant Standards.
- Supervised and coordinated geotechnical and geophysical surveys at Riyadh and Dammam workshop locations while ensuring proper data collection and alignment with design requirements.
- Assist in preparing and evaluating technical submittals, design reports, Request for Proposal (RFP) documentation, including technical requirements, scope of work, and supporting engineering documents.
- Coordinating preparation, compilation and submission of Bills of Quantities using Presto.

- Participate in design reviews, client workshops, and progress meetings.

Previous Project Details: Housing for National Guard Military Personnel in Riyadh, Saudi Arabia in collaboration with Salini and Zuher Faye Partners Consultants.

Responsibilities & Highlights:

- Designed landscape works for the ring roads, including hardscape, planting, and other site development elements.
- Ensured that all landscape elements aligned with project standards.
- Coordinated with multidisciplinary teams, particularly the utilities discipline, ensuring seamless integration of landscape design within the overall infrastructure.
- Prepared detailed design drawings, specifications, and material selections and documentation in accordance with the project standards.

Previous Project Details: New Canopy Design of King Khalid International Airport at Metro Station 4G2 and 4G3 - FAST Consortium in collaboration with The Royal Commission for Riyadh City (RCRC).

Responsibilities & Highlights:

- Developed conceptual design for the airport road, collaborating closely with the team to deliver an optimal design solution.
- Modified existing landscape design to meet the needs of new Canopy Design of Metro Station 4G2 and 4G3.
- Coordinated with multidisciplinary teams, ensuring seamless integration of modified landscape design within the overall infrastructure.
- Developed Basis of Design and prepared a comprehensive technical report for the proposed airport road.
- Coordinated preparation and submission of the Bill of Materials (BoM) for the New Canopy Design of Metro Station 4G2 and 4G3.

Previous Project Details: Highway Speed Railway (HSR) - The Connector South Civil Works - NEOM in collaboration with Webuild and its joint ventures SAJCO and Salini.

Responsibilities & Highlights:

- Prepared detailed road drawings including plan & profiles, road layouts, cross sections, setting-out drawings, traffic signage, and road marking drawings.
- Reviewed contractor construction drawings, and technical submittals to ensure compliance with project specifications.
- Resolved design-related technical queries and coordinated with multidisciplinary teams during the design review process.

Employer: Rawafid Engineering Consultancy Pvt. Ltd.

Designation: Civil Engineer

Srinagar, J&K, India

July 2022 - Dec 2023

Responsibilities & Highlights:

- Design and development of road infrastructure projects from concept to detailed design, including road layouts, plan & profiles, cross sections.
- Coordinated with multidisciplinary teams to integrate roadway designs with drainage, utility,



and landscaping requirements while ensuring compliance with relevant codes and standards.

- Prepared project documentation, including technical reports, feasibility studies, cost estimates, and proposals.
- Supervised RCC construction activities, ensuring execution in accordance with approved drawings, specifications, and applicable codes.
- Coordinated closely with architectural, structural, MEP, and other design consultants to obtain timely inputs and prevent design and execution clashes.
- Executed comprehensive testing procedures on concrete mixes, aggregates, and other construction materials. Utilized testing equipment to assess the strength, durability, and overall quality of materials.
- Implemented quality control procedures throughout construction activities to maintain project standards.
- Developed project plans, schedules using Microsoft Project, ensuring alignment with project objectives and timelines.
- Monitored and updated project schedules regularly, providing up-to-date progress reports to management.
- Organized project status meetings with client, consultants, vendors and contractors.

Employer: Geo Engineers

Srinagar, J&K, India

Designation: Civil Engineer

July 2021 - June 2022

Responsibilities & Highlights:

- Assisted in design and development of road infrastructure projects, including detailed design and construction documentation.
- Prepared engineering drawings, plans, longitudinal profiles, and cross-sections, traffic signage, and road marking drawings using AutoCAD and Civil 3D.
- Prepared detailed estimates, developed Bills of Quantities (BoQs), Detailed Project Reports for multiple projects using MS Office.
- Developed 3D models for residential and commercial building projects using Revit, produced renders using Twinmotion and Lumion and prepared construction drawings using AutoCAD for multiple projects.

Employer: SGTEC – Structural Geo-Technical Engineers Consultation Forum

Srinagar, J&K, India

Designation: Junior Civil Engineer

Sep 2017 - July 2018

Responsibilities & Highlights

- My responsibilities included implementation of construction drawings on site, overseeing and coordinating on-site construction activities, ensuring compliance with project specifications. Implemented quality control measures and contributed to the timely and efficient completion of construction projects.
 - Prepared estimates and Detailed Project Reports using MS Office.
 - Prepared good for construction drawings using AutoCAD for several projects.
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TRAINING & CERTIFICATIONS

- Fundamentals of project planning and management - University of Virginia.
- The manager's toolkit: Managing people at work - University of London.
- Construction management: Construction management foundations.
- Construction management: Concrete construction.
- Construction management: Project delivery methods.
- Construction project management - Columbia University.
- The construction industry - The way forward - Columbia University.
- Revit 2022 essential training for architecture - LinkedIn.
- Municipal solid waste management in developing countries - EPFL, Switzerland.
- Civil 3D 2020 training - Udemy.
- Primavera P6 project planning and scheduling masterclass – Udemy.
- BIM foundations – LinkedIn.
- Introduction to ISO Global BIM standards - LinkedIn.
- BIM manager: Managing CAD standards - LinkedIn.
- Introduction to BIM 360 - LinkedIn.

SKILLS

Software Skills:

- AutoCAD
- Civil 3D
- Revit
- Microsoft Project
- Microsoft Office

Technical Skills:

- Geometric Road Design
- Landscape Design
- Traffic Signage & Road Markings
- Swept Path Analysis
- Utilities Coordination
- Technical Reports & Basis of Design
- IFC & Shop Drawings

LANGUAGES

- English
- Urdu

OTHER DETAILS

- Transferable Iqama
- Valid driving license