

MUZAMMIL NAZIR

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House# 09, Street# 486, West Service Road, G-13/1, Islamabad

EDUCATION

National University of Sciences & Technology (NUST)

2021-2025 | Bachelor of Engineering in Civil Engineering | CGPA: **3.46/4.00**

Punjab College of Science

2019-2021 | Higher Secondary School Education | Percentage: **98.1%**

Siddeeq Public School

2017-2019 | Secondary School Education | Percentage: **96.5%**

PROFESSIONAL EXPERIENCE

Oct 2025 – Present | Junior Traffic Engineer | Pavron

Jun 2025 – Oct 2025 | Trainee Engineer | Zeeruk International Pvt. Ltd

Jun 2024 – Aug 2024 | Intern | National Highway Authority (NHA)

PROFESSIONAL PROJECTS

Pavron

- **KPK Road Network Master Plan (RNMP) & Road Asset Management System (RAMS)**

-Currently working on traffic studies and development of traffic model for KPK road network.

Zeeruk International Pvt. Ltd

- **Integrated Flood Resilience and Adaptation Project (IFRAP)**

-Formulated critical technical documentation, including the Inception Report and Quality Assurance Plan.

- **Upgradation of National Highway (N-15) Mansehra-Naran-Jalkhad-Chillas (MNJC)**

-Collaborated on the alignment finalization for the 244 km 4-Lane Divided Expressway, analyzing geometric constraints for the feasibility study and detailed design.

- **Mansehra-Muzaffarabad Expressway Construction Project**

-Contributed to the technical compilation of the Feasibility Study, specifically the Geometric Design Report.

- **Faizabad Interchange Upgradation Project**

-Proposed and presented a strategic traffic management solution to address congestion issues.

- **Lyari Expressway Upgradation Project**

-Facilitated the preparation of the Unsolicited Proposal (USP).

SEMESTER PROJECTS

- **Framework Design for Road Safety Audit of Islamabad Road Network. (Final Year Project)**

-Conducted a case study on Srinagar Highway (Islamabad) using real-time dashcam footage.

-Developed a framework to perform road safety inspections.

-Developed an application to estimate the star rating score automatically.

-Performed a comparative analysis with iRAP standards, achieving a strong correlation.

- **Highway Geometric Design using CIVIL 3D.**

- **Signalized Intersection and Roundabout Design using SIDRA and SYNCRO.**

- **Pavement Design and Analysis using KENPAVE.**

- **Renovation And Expansion Project in AutoCAD and Primavera.**

- **Concrete Mix Design and Testing Project.**

- **Quantity Estimation and Cost Analysis of a 5 Marla Residential House.**

MEMBERSHIPS

Pakistan Engineering Council Registered Engineer (Civil / 077966)

SKILLS

Traffic Modelling: VISSIM, VISUM, SYNCHRO, SIDRA

Design & Drafting: CIVIL 3D, AutoCAD, MSCAD

Planning & General: Primavera, ArcGIS, Microsoft Office, Google Earth

CERTIFICATIONS

- Geometric and Traffic Aspects of Highway – Coursera
- Google Crash Course on Python – Coursera