

Masood Shah

Geologist with experience as civil lab technician (QC)

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Iqama: Transferable

🚗 *Saudi Driving License: Valid*

Professional Summary:

Detail-oriented Geologist with one year of experience in construction materials testing and geotechnical investigations. Skilled in laboratory and field-testing of soils, aggregates, and concrete, with a strong foundation in material analysis and quality control. Contributed to the Technology Park Development Project in Islamabad as a Trainee Material Engineer/Junior Geologist with Astral Constructors in joint venture with Samhan Construction Co. Ltd (Korea), gaining hands-on experience in standard testing procedures, data documentation, and reporting. Proficient in applying geological knowledge to support safe and efficient construction practices. Eager to bring technical skills and a strong work ethic to a lab technician role focused on construction materials testing.

Core Competencies:

- UAV-based Survey Operations & Magnetometer Surveys
- High-Resolution Digital Mapping (e.g., PIX4D)
- Data Acquisition, Processing & Interpretation
- Geophysical Software Familiarities ArcGIS
- Proposal & Technical Report Development

Professional Experience:

Junior Geologist / Trainee Material Engineer

ASTRAL CONSTRUCTOR – Joint Venture with SAMHAN Construction Co. Ltd (Korea)

Islamabad, Pakistan | Oct 2023 – Oct 2024

- Conducted field and laboratory testing on soils and aggregates including FDT and Atterberg Limits to support geotechnical analysis.
- Performed moisture content, sieve analysis, and unit weight tests to evaluate material quality.
- Maintained accurate test records and ensured timely reporting of results to project engineers and geologists.
- Collaborated with drilling and engineering teams to assess subsurface profiles for foundation design.
- Followed rigorous safety and quality standards during site investigations and data collection.
- Supported the team in daily documentation, sample preservation, and observations for site logs.

Education:

Bachelor of Science in Geology:

Abdul Wali Khan University Mardan, Pakistan | Sep 2019 – Sep 2023 **Bachelor**

Thesis:

High-resolution Digital Outcrop Mapping using Imagery of Unmanned Aerial Vehicles (UAVs) at Nizampur Basin, KP, Pakistan: Implications for Structural Modelling -
Focused on UAV-based data acquisition, photogrammetry, and structural geology for highprecision mapping.

Major Tests:

- Temperature of concrete
 - Field Density Test (FDT)
 - Slum Test Of Concrete
 - Curing of Concrete
 - Compressive Strength of Concrete
 - Specific Gravity
 - Loss Angles Abrasion
 - Modified Proctor test
 - Moisture Content
 - Sieve Analysis
 - Plastic Limit and Liquid limit
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Major Coursework:

- Structural Geology
 - Mineralogy | Petrology
 - Remote Sensing & GIS
 - Field Mapping & Report Writing
 - Geotectonic
 - Basin modeling
 - Hydro geology
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Languages:

- English – Fluent
- Arabic – Proficient