

# LUQMAN AHMED

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## PERSONAL DETAIL

**Father's Name:** Anwar Waheed Ahmed Sheikh

**Nationality:** Pakistani

**Date of Birth:** 07-04-1990

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**Permanen Address:** House No. 32 Ward No. 10 Mohallah Sheikhan Gujar  
Khan District Rawalpindi (Pakistan)

**Postal Address:** Room No. 220 Hostel No. 4 Punjab University New Campus Lahore (Pakistan)

## OBJECTIVE

Seeking a challenging position in a progressive organization and creative environment to render the best of my abilities and contribute to it along with my career advancement.

## KEY SKILLS

- A strong academic background with merit scholarship during Bachelors from University of Sargodha, Sargodha.
- Worked as an Engineering Demonstrator at Institute of Geology, University of the Punjab, Lahore. (During M.Phil. November 2014 to May 2015)
- One and half years of Geotechnical site investigation experience e.g. soil and rock studies, dam site investigations, Tunneling hazards assessment, Ground engineering, Geo hazard assessments.
- Geotechnical and Material testing e.g. compressive strength tests , moisture content, Sieve analysis, liquid & plastic limit, field density test, impact test etc.
- Excellent handling with Word excel, Numerical modeling via (Rocscience) for headrace tunnels, ArcGIS mapping.
- Strong communication and interpretational skills with capability of handling site work.
- Competitive Report writing skills.

## ACADEMIC RECORD

<b>M.Phil. Applied Geology</b> Session (2014-16) University of the Punjab, Lahore. <b>3.51 CGPA</b>	<b>BS Applied Geology</b> Session (2008-12) University of the Sargodha, Sargodha. <b>3.43 CGPA</b>
<b>F.Sc Pre-engineering</b> Session (2006-08) BISE Rawalpindi. <b>71.00%</b>	<b>Matriculation</b> Session (2004-06) BISE Rawalpindi <b>77.05%</b>

## PROFESSIONAL EXPERIENCE

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- **Geotechnical Investigations at Dams & Hazard assessment Projects (February 2013-August 2014)**  
**Geo Consult Associates, Lahore**
  - Detail design studies of small dams & hydropower tunnels including mapping, scan lines, and rock mass classification, analysis and hazard assessments.
  - Numerical Analysis of the rock mass using software's Phase-2, RS3, Slide, Dips etc.
  - Slope stability assessment including discontinuity surveys, mode of failures at slopes, causes of failures and its damages.
  - Slope assessment through back analysis for the slope failed along the power house of Koto hydropower project.
  - Conducting in-situ tests SPT, UDS, PLT, Permeability test and water pressure test with standard specifications.
  - Conducted Field density tests to check the density of the soil and soil sampling for laboratory testing.
  - Material testing in laboratory e.g. UCS, moisture content, CBR, Los-Angeles abrasion test, Shear strength test etc.
  - Perform detail analysis on bore hole results and laboratory tests and to prepare excels sheets of data.
  - Preparation of reports at feasibility and design stages.

## Master's Project

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I have completed my Masters project at hydropower tunnel entitled "Kinematic and Numerical Verification of support proposed based on Empirical Methods for a headrace tunnel, District Battagram Pakistan".

## Publications

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Noor, A., Akram, S., **Ahmed, L.** & Sarwar, W., 2017. Back Analysis of an earthquake triggered landslide in Mansehra district, Pakistan. Journal of Himalayan Earth Sciences, 50(1A), pp.86-99.

## ACHIEVEMENTS

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- Got Merit Scholarship from University of the Sargodha.
- Got Chief Minister Laptop.

## WORKSHOPS

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- **GIS As a Tool for Geologist** one week workshop organized by Institute of Geology, University of the Punjab

## SOFTWARE EXPOSURE

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- Phase-II/ RS-III: 2- Dimension and 3-dimension Finite Element Method (FEM) code having various applications in Geo-tech
- Dips/ Geo-orient: For stereographic projection and kinematic analysis of slope discontinuity orientation data
- Roclab/RocData: For rock mass strength evaluation from the intact rock laboratory data
- Swedge/Unwedge: For kinematic analysis of wedges in slopes and underground excavation
- ArcMap: For Base map preparation and map digitization

#### **EXTRA CURRICULAR ACTIVITIES**

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- Hicking
- Watching Plays and Movies, Playing Games
- Organizer in different Programs

#### **REFERENCES**

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Available on request