



Hafeez Uddin

Date of birth: 27/09/1999 | **Place of birth:** Chitral, Pakistan | **Nationality:** Pakistani |

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WhatsApp Messenger: +966503657540 | **Address:** Taif, Mecca, Saudi Arabia (Work)

• WORK EXPERIENCE

GIS Specialist

Currently working as a GIS Specialist at **TWAIK CO. LTD. FOR MAINTENANCE & OPERATION**, with previous experience in renowned organizations across both public and private sectors in Pakistan and the Kingdom of Saudi Arabia.

• TWAIK CO. LTD. FOR MAINTENANCE & OPERATION

07/2025 – CURRENT

GEOGRAPHIC INFORMATION SYSTEM (GIS) SPECIALIST

Taif, Mecca, Saudi Arabia

• MAGMA SYSTEMS (PVT) LTD

Geographic Information System (GIS) Analyst

Islamabad, Pakistan

• AGA KHAN AGENCY FOR HABITAT, AKAH-PAKISTAN (LOWER CHITRAL, PAKISTAN)

GIS Intern

Responsibilities:

- Utilizes Remote Sensing and GIS to monitor and analyze natural disasters
- Develops risk and hazard maps for disaster preparedness and mitigation
- Assist in hazard and risk mapping using drone and satellite imagery
- Creating and maintaining geodatabase of hazard and risk map
- Identification of Geo-hazards in field (onsite assessment)
- Preparing of thematic maps for Disaster assessment
- Preparation of basemaps for hazard mapping

• FORESTRY PLANNING AND MONITORING CIRCLE, GIS LAB, FOREST DEPARTMENT (PESHAWAR, PAKISTAN)

07/2023 – 04/2024

GIS Intern

Responsibilities:

- Engages in mapping forest degradation and promoting forest restoration projects
- Uses remote sensing and GIS to monitor changes in forest cover and land use
- Supports sustainable forest management to mitigate climate change
- Conducting spatial analysis and modeling for forestry planning
- Identification of forest degradation using Remote Sensing
- Forest zoning using LULC classification
- Forest change detection using NDVI

● PUBLICATIONS

2024

"GIS Based Spatial Analysis of Landslide Hazard in Tehsil Balakot, KP, Pakistan"

Shehla Gul¹, Rafiq Ali Khan², Zahid Ali³, Sibtain Ijaz⁴, Hafeezuddin⁵ and Muhammad Ali Mahmood⁶

2024

"Ecotourism Potential Assessment for District Lower Chitral Pakistan Using Integration of GIS and Remote Sensing"

Shehla Gul¹, Hafeezuddin², Mustafa Khan²

● EDUCATION AND TRAINING

2019 – 2023

BACHELOR STUDIES IN GEOMATICS (GIS AND REMOTE SENSING) University of Peshawar

Website <https://www.uop.edu.pk/> |

Thesis "Ecotourism Potential Assessment for District Lower Chitral-Pakistan, Using Integration of GIS and Remote Sensing"

2017 – 2019 Pakistan

HIGHER SECONDARY SCHOOL CERTIFICATE (PRE-ENGINEERING) Drosh College of Science

2015 – 2017 Pakistan

SECONDARY SCHOOL CERTIFICATE (SCIENCE) Drosh College of Science

● CERTIFICATIONS

BEYOND THE VISIBLE – IMAGING SPECTROSCOPY FOR AGRICULTURAL APPLICATIONS

AWARDED FOR SUCCESSFUL COMPLETION OF THE EARTH OBSERVATION COLLEGE COURSE

Link <https://eo-college.org/verify/780F85D99A-780981781C-733D8796AF/>

INTRODUCTION TO MACHINE LEARNING FOR EARTH OBSERVATION

AWARDED FOR SUCCESSFUL COMPLETION OF THE EARTH OBSERVATION COLLEGE COURSE

Link <https://eo-college.org/verify/780F672BAE-7A5D4F6A4B-733D8796AF/>

GIS Applications Across Industries

an online non-credit course authorized by University of California, Davis and offered through Coursera

Link <https://coursera.org/verify/286FABE4UD JV>

Remote Sensing Image Acquisition, Analysis and Applications

The University of New South Wales & Geoscience and Remote Sensing Society offered through coursera

Link <https://coursera.org/verify/75QW42STQPYS>

Climate Change and Water in Mountains: A Global Concern

an online non-credit course authorized by University of Geneva and offered through Coursera

Link <https://coursera.org/verify/LEPW2V4ET4TL>

Spatial Data Science and Applications

an online non-credit course authorized by Yonsei University and offered through Coursera

Link <https://coursera.org/verify/GQ2G9YWA2KU9>

Geospatial Analysis with ArcGIS

online non-credit course authorized by University of California, Davis and offered through Coursera

Link <https://coursera.org/verify/WWD YSZPCPPSS>

Spatial Analysis and Satellite Imagery in a GIS

an online non-credit courses authorized by University of Toronto and offered through Coursera

Link <https://coursera.org/verify/CF9B7V67NSWT>

Introduction to GIS Mapping

an online non-credit course authorized by University of Toronto and offered through Coursera

Link <https://coursera.org/verify/3QGLBUNYS6HL>

11/03/2022 – 11/09/2022

Artificial Intelligence (Machine Learning and Deep Learning)

University of Engineering and Technology, Peshawar-Pakistan

GIS Basics | Basics of JavaScript | ESRI_Cartography | Exploring Demographic Data Using ArcGIS Insights Online | Exploring Demographic Data Using ArcGIS Insights

Environmental Systems Research Institute (ESRI)
A Geographic Information System Company (GIS)

● SOFTWARE APPLICATIONS

ArcMap, ArcGIS Pro, HEC-RAS, REVIT, ERDAS Imagine, Google Earth Pro, Google Earth Engine (GEE) Feature Manipulation Engine (FME), Microsoft Office Package

● SKILLS

Applications and experience on diverse range of software for Remote sensing, GIS, Image Processing | DataBase Sql Server | Machine Learning | Deep Learning | Programming Python and Google Earth Engine | Spatial Analysis Geodatabase Management

● LANGUAGE SKILLS

Mother tongue(s): **KHOWAR (CHITRALI LANGUAGE)**

Other language(s): **ENGLISH (OFFICIAL LANGUAGE) | URDU (NATIONAL LANGUAGE) | ARABIC**

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