

Huzaifa Farooq

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WORK EXPERIENCE

GIS Analyst

Oct 2025 - Dec 2025

Zoneomics • Islamabad, Pakistan

- Conducted comprehensive research on municipal zoning codes for diverse US cities and counties, interpreting complex legal text to classify permitted land uses and development standards
- Utilized GIS software to match and validate zoning district attributes against spatial shapefiles, ensuring 100% alignment between geometric data and regulatory text.
- Structured and standardized large-scale zoning datasets within Microsoft Excel, converting unstructured municipal codes into a proprietary digital format for platform integration.
- Managed the final data submission workflow by compiling processed datasets into Google Docs for rigorous Quality Assurance review, maintaining high accuracy standards for client-facing real estate data.

SELF EMPLOYED

Oct 2018 - Present

THE LEARNING TREE SCHOOL • Attock, Pakistan

- Based on gathered and evaluated data, hire, train, and offer advice to staff.
- Create and implement programmes based on institutional and technological requirements.
- Ensuring that the institution abides by applicable rules and regulations.
- Developing and implementing new strategies that helped the institute increased enrolment by 240% within two years.
- Adapting to the COVID-19 pandemic by implementing new techniques and technological solutions to ensure the students continue to receive an education of the same quality.

SELF EMPLOYED

Nov 2017 - Apr 2018

CHEVROLET AUTHORIZED WORKSHOP • Islamabad, Pakistan

- Planned and managed inventory of the workshop, ensuring appropriate stock levels to meet customer demand.
- Developed and implemented marketing strategies to increase customer awareness and generate more business.
- Maintained customer records and daily cash flow of the workshop, providing accurate financial reporting.
- Utilized problem-solving and critical thinking skills to successfully manage the workshop operations.

INTERN

Jul 2017 - Aug 2017

OIL & GAS DEVELOPMENT COMPANY (OGDCL) • Islamabad, Pakistan

- Familiarized myself with the OGDCL seismic data processing workflows and the OMEGA software system.

- Assist in the review of seismic data and the optimization of parameters to ensure the accuracy of processing results.
- Help evaluate the quality of seismic data and provide recommendations for improvements.
- Create reports and presentations to summarize the findings of the seismic data processing activities.

EDUCATION

MASTER OF SCIENCE IN REMOTE SENSING & GIS

Sep 2025 - Present

Institute of Space Technology (IST) • Islamabad, Pakistan

Currently enrolled in the first semester

- Coursework includes advanced spatial analysis, remote sensing techniques, GIS applications, machine learning, and satellite data interpretation.
- Research interest: AI-driven 3D surface modelling using LiDAR data for enhanced terrain analysis, data integration, and geospatial accuracy.

ARTIFICIAL INTELLIGENCE (AIC)

Jul 2022 – Jun 2024

Presidential Initiative for Artificial Intelligence & Computing (PIAIC) • Karachi, Pakistan

A one-year Artificial Intelligence program designed for absolute beginners, divided into four quarters (12 weeks each) for a total of 36 hours per quarter or 144 hours for the entire year. A highly prestigious program. Due to the high difficulty level, only 10% of students will be awarded the PIAIC certifications.

- Got an introduction to AI and machine learning algorithms.
- Horn my programming skills using Python and advanced libraries with Anaconda i.e. NumPy, and Pandas.

BACHELOR OF SCIENCE (BS 4 YEARS) IN GEOPHYSICS

Sep 2013 - Nov 2017

Quaid-i-Azam University • Islamabad, Pakistan

The distinction in a number of semesters. Extraordinary results in programming courses. Acted as class representative in a semester. Got multiple scholarships for academic achievements.

- Final grade: 3.3 out of 4.0
- Thesis: 2D Seismic Reflection Data Interpretation of Tajjal Sindh, Pakistan

PROJECTS

- Web GIS: Web-Based Multi-Criteria Spatial Decision Support System (SDSS)
- Remote Sensing: Remote Sensing-Based Identification of Hydrothermal Gold Mineralization Zones
- Machine Learning: Modified ResNet18 model for Euro Sat dataset for land use classification
- Hydrology: Watershed Delineation and HRU Analysis of Haro River Basin Using ArcSWAT

SKILLS

- Team Leader
- Teamwork
- Critical thinking

- Logic and Analysis

AWARDS AND HONOURS

Academic Scholarship Award 2014

Cash reward for being top in the class in the first semester.

Academic Scholarship Award 2015

Cash reward for being top in the class in the third semester.

PRIME MINISTER'S LAPTOP SCHEME 2015

I was awarded a laptop for ranking among the top 10 students in the department.

SOFTWARE SKILLS

- Microsoft Excel
- Microsoft PowerPoint
- Microsoft Word
- MATLAB
- QGIS
- ArcGIS
- Python
- Kingdom
- OMEGA