

# Ahmad Faraz



**(Analyst in GIS, Remote Sensing, and Hydrologist)**

**Domicile:** District Peshawar, Khyber Pakhtunkhwa, Pakistan

**Permanent Address:** Village Angoor Koruna P/O Zareef Koruna Peshawar

**Postal Address:** NIRC Judicial Complex Khyber Road Peshawar Care of Iftikhar Ahmad Khan

**Email:** [geomatician59@gmail.com](mailto:geomatician59@gmail.com)

**Phone:** +92(0)316-8028785

## ***Objective:***

To utilize my educational background and personal experiences to contribute effectively to a professional environment.

## ***Profile:***

I am Ahmad Faraz, hailing from a remote area and raised in a traditional Pakhtoon family. I am the only member of my family to have graduated with distinction from a university. Proficient in English, Urdu, and Pashto, I possess the ability to communicate effectively across diverse cultures. Eager to explore new endeavors and enhance my expertise in my chosen field of Geomatics.

## ***Education***

- 1. 09/2018-08/2022- BS Geomatics-** GIS and RS (Geographic Information System and Remote Sensing) - University of Peshawar, Peshawar Khyber Pakhtunkhwa, Pakistan
- 2. 09/2015-06/2017- Higher Secondary School Certificate(HSSC)/ Intermediate in FSC Pre-Medical Group-** Peshawar Model Degree College(PMDC) Dalazak Road Peshawar, Khyber Pakhtunkhwa, Pakistan
- 3. 04/2006-06/2015- Secondary School Certificate(SSC)/ Matric in Science Group-** Warsak Public School Garhi Sherdad Peshawar, Khyber Pakhtunkhwa, Pakistan

## ***Research Project(s):***

- 1) BS Honor Research Project:** Identification of Groundwater Potential Zones Using Multi Influence Factor Approach: (A Study of District Mohmand, Khyber Pakhtunkhwa)
- 2) SUPARCO Project:** Flood Damage Assessment of District Charsadda In 2010 Khyber Pakhtunkhwa

## ***Professional Experience***

**1. 07/2022-09/2022- GIS Intern at Space Application and Research Center (SPARCENT) Peshawar, Pakistan Space and Upper Atmosphere Research Commission (SUPARCO)**

1. Selected under the project of Space Education and Awareness Drive(SEAD)
2. Opportunity to gain knowledge and mentoring from space and research scientist
3. Completed a research project under the title **Flood Damage Assessment of District Charsadda In 2010 Khyber Pakhtunkhwa**
4. Practice on various space application of earth sciences
5. Provided assessment on multiple remote sensing satellite imageries

***Attended Conferences:***

Attended various virtual workshops and webinars related to advanced technology and geographical research.

1. **Space Debris Conference** organized by Saudi Space Agency(SSA),Co-host Communication, Space & Technology Commission(CST) and Contents Partner United Nations Office for Outer Space Affairs(UNOOSA), February 11<sup>th</sup> ,12<sup>th</sup> 2024
2. Participation in 48 International Nathia Gali Summer College for three days virtual training in **Advance Pulsed Power Technology and Its Application**, Pakistan, July 2023
3. Participated in virtual Webinar on **Nuclear Weapons and Democracy** by Geneva Center for Security Policy, Geneva, Switzerland, August 2022
4. Attended two days virtual Webinar on **The Drone GIS: A New Dimension In Geographical Research and Land Resource Assessment Using Remote Sensing** by Character Building Society (CBS) Department of Geography, University of the Punjab Lahore, Pakistan, March 2021
5. Attended one day virtual event on **Regional Land Cover Monitoring System For The Hindu Kush Himalaya** by International Center For Integrated Mountain Development(ICIMOD), Nepal, February 2020
6. Attended one day virtual event of First International Symposium on "**Space Science : Importance, Challenges, and Emerging Opportunities in the Space Industry and Islamic World**" by Space Foundation of Islamic World

Educational, Scientific, And Cultural Organization(ICESCO), Saudi Arabia,  
January 2019

7. One day virtual International Webinar on **Disaster Risk Reduction(DRR)** by University of Punjab, December 2019

### ***Scholarship Grants***

#### ***External and Internally Funded Competitive Grants***

1. **2018-2022** “Scholarship Award for Ehsas Undergraduate Scholarship Project”, by the Higher Education Commission(HEC) of Pakistan

#### ***GIS; Remote Sensing and Computer Software’s Expertise***

- |                                       |  |
|---------------------------------------|--|
| 1. ArcGIS Desktop(ESRI)               | 2. Dev. C++  |
| 3. Climate Engine Web Processing      | 4. Turbo C++   |
| 5. Earth Data EOSDIS NASA             | 6. SQL   |
| 7. Arc Map Viewer Web(ESRI)           | 8. Global Positioning System GPS Devices                     |
| 9. Coastal Flood Exposure Mapper NOAA | 10. E-cognition  |
| 11. ERDAS IMAGINE                     | 13. Giovanni The Bridge Between Data and Science NASA        |
| 12. Open Street Map Web               | 15. Google Earth Pro Desktop                                 |
| 14. Google Earth Engine Web           | 21. Google Maps Engine Web Display                           |
| 16. Open Data Kit(ODK)                | 22. USGS Earth Explorer Web                                  |
| 17. Sentinel Hub EO Browser Web       | 23. TRMM Online Visualization and Analysis System(TOVAS) Web |
| 18. USGS ASTER Overpass Predictor Web |  |
| 19. USGS GloVis Web                   |  |
| 20. USGS Landsat Look Viewer Web      |  |

### ***Skills***

- |                            |                                |
|----------------------------|--------------------------------|
| 1. Observant               | 1. Multitasking                |
| 2. Team Leadership         | 2. Strong Verbal Communication |
| 3. Microsoft Office Expert | 3. Powerful Negotiator         |
| 4. Conflict Resolution     | 4. Time Management             |
| 5. Staff Development       | 5. Organized                   |

### ***Language(s):***

Very well versed in English, Urdu, and Pashto. I could communicate in Hindi, Punjabi, Hindko, and several other regional dialects.

***Certification(s) & Course(s):***

1. **English for Science, Technology, Engineering, and Mathematics(STEM)** MOCC, The Online Professional English Network(OPEN), Sponsored by US Department of State, January 2024
2. **Big DATA Analysis For Water-Related Applications** Course From The Water Learning Center (WLC), United Nations University, January 2024
3. **Spatiotemporal Drought Assessment By Leveraging Google Earth Engine Platform** From The Water Learning Center (WLC), United Nations University, January 2024

***Publication:***

1. **Identification of Groundwater Potential Zones Using Multi Influence Factor Approach: (A Study of District Mohmand, Khyber Pakhtunkhwa) [In Progress]**

***References:***

- 1) Dr. Iffat Tabassum

Professor, Department of Geography and Geomatics

University of Peshawar

Ph. No. +92-91-9221033

Email. iffatabassum@uop.edu.pk

- 2) Dr. Jamal Nasir

Assistant Professor, Department of Geography and Geomatics

University of Peshawar

Ph. No. +92-92-9221033

Email. drjamal@uop.edu.pk

- 3) Dr. Ihsan Ullah

Assistant Professor, Department of Geography and Geomatics

University of Peshawar

Ph. No. +92-92-9221033

Email. [ihsanullah@uop.edu.pk](mailto:ihsanullah@uop.edu.pk)