



## Kumail Raza

**Date of birth:** 03/06/2000 | **Nationality:** Pakistani | **Sex:** Male | **Phone:**

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<https://mohnark.github.io/me/> | **Instagram:** <https://www.instagram.com/kumi.raza/> |

**Address:** 521, Narva Mnt 27, Tartu Linn, 59001, Tartu, Estonia (Home)

### ● ABOUT MYSELF

I am a GIS Engineer specializing in the development of desktop and web applications. My journey began with spatial data analysis, which eventually sparked a strong passion for programming.

### ● WORK EXPERIENCE

26/09/2022 – CURRENT Lahore, Pakistan

#### SOFTWARE ENGINEER FARMDAR

- Developed and maintained robust backend systems.
- Integrated Geographic Information System (GIS) technologies to enhance mapping and spatial data analysis capabilities in applications.
- Investigated spatial data analysis methods, including indexing, remote sensing, and machine learning techniques.
- Implemented and managed complex database models.
- Deployed and managed web applications on Amazon Web Services (AWS), focusing on scalability, reliability, and security.
- Developed and maintained microservices, focusing on modular design and scalability.
- Engaged in Agile development practices, contributing to sprint planning, daily stand-ups, and retrospectives.
- Worked in a collaborative, cross-functional team environment, participating in code reviews and continuous development processes.
- Spearheaded the architecture and design of key company applications, leading initiatives to innovate and optimize application frameworks and functionalities.

**Business or Sector** Agriculture, forestry and fishing | **Department** GIS |

**Address** G932+56V, Block B3, Gulberg 3 Lahore Punjab, 54660, Lahore, Pakistan | **Email** [info@farmdar.co.uk](mailto:info@farmdar.co.uk) |

**Website** <https://farmdar.pk/>

14/03/2022 – 25/04/2022 Islamabad, Pakistan

#### SOFTWARE ENGINEER PROPSURE PVT LTD

- Worked with project manager on designing web application UI.
- Developed RESTFUL API for app using Express.js
- Written SQL queries to calculate routes using Road Network Data for Postgresql db.

**Business or Sector** Real estate activities | **Department** GIS | **Email** [support@propsure.com.pk](mailto:support@propsure.com.pk) |

**Website** <https://propsure.com.pk/>

10/01/2020 – CURRENT Islamabad, Pakistan

#### SOFTWARE ENGINEER FREELANCE

- Developed Web GIS Applications and Dashboards for Telecommunications and Real Estate Companies.
- Scripts for Web Scraping and Data Mining
- 100+ Projects completed on Fiverr
- Level 2 Seller on Fiverr

26/07/2021 – 05/09/2021 Lahore, Pakistan

#### GIS ENGINEER (INTERN) DHA LAHORE

- Learned how to acquire and clean land parcel data

- Developed web application to manage and query a large database of customers
- 3D data visualisation and modelling for buildings and cities

**Business or Sector** Real estate activities | **Department** Land Acquisition (Land) Branch and Information Technology Branch |

**Address** FCCQ+9QH, Shabbir Sharif Rd, Sector A DHA Phase 6, Lahore, Punjab, 54790, Lahore, Pakistan |

**Email** [customercare@dhalahore.org](mailto:customercare@dhalahore.org) | **Website** <https://dhalahore.org/>

● **EDUCATION AND TRAINING**

03/09/2018 – 10/06/2022 Islamabad, Pakistan  
**BACHELORS OF GEOINFORMATICS ENGINEERING** National University of Science and Technology

- Advanced Geographic Information System (GIS) Skills: In-depth study and application of GIS technologies for spatial data analysis, mapping, and geospatial application development.
- Remote Sensing and Digital Mapping Expertise: Training in remote sensing techniques and digital mapping, enabling the interpretation and analysis of satellite imagery and aerial photography.
- Spatial Data Analysis and Management: Skills in managing, analyzing, and visualizing spatial data, essential for various applications in urban planning, environmental management, and natural resource monitoring.
- Geospatial Programming and Application Development: Proficiency in GIS programming and development of geospatial applications, integrating programming skills with GIS knowledge.
- Understanding of Geosciences and Surveying Techniques: Comprehensive knowledge in geosciences, including geodesy, photogrammetry, and GPS surveying, enhancing the ability to conduct precise field measurements and spatial data collection.

**Website** <https://nust.edu.pk/> | **Field of study** Information and Communication Technologies (ICTs) | **Final grade** 3.53/4

● **LANGUAGE SKILLS**

Mother tongue(s): **URDU**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C2	C2	C1	C1	C1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user

● **DIGITAL SKILLS**

Microsoft Office / Microsoft Office 365 | Web Designing & Web Development | Software Development and Software Engineering | Geographical Informational Systems (GIS) | Data Science | Data Collection, Data Processing, Data Analysis, Data Visualisation | Databases - SQL | Back-end (Flask, Django) | React (Intermediate) | Spatial Databases | 🧠 Machine Learning