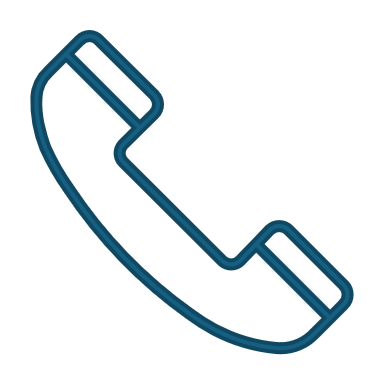
# EDUCATION AND TRAINING

RS & GIS Specialist with expertise in ArcGIS products, Qgis and other related software. I am skilled in geospatial analysis, satellite imagery processing, and spatial modelling to deliver impactful solutions across various industries.

Contact:

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Strength & skills:

* GIS & RS Software (ArcGIS suite, Qgis, Envi, Erdas, eCognition)
* Programming Languages (C, C++, HTML, CSS, JavaScript, SQL, Python, R)
* Microsoft suite
* Microsoft BI
* FME

SUMBUL JABBAR

**M.S.** in Remote sensing and Geo-Information sciences

*Institute of Space Technology*[ 01/03/2015 – 01/09/2019]

**B.E.** in Telecommunication Engineering

*Mehran University of Engineering and Technology* [ 02/01/2011 – 12/03/2015]

# EXPERIENCE SUMMARY

## GIS Developing Services [19/01/2023 – 30/09/2024]

K-Electric(Karachi, Pakistan)

### Projects:

#### \*Switch Management Solutions \*LT Network \*Karachi Basemap

## OET Interlocutor [20/06/2022 – 31/12/2022]

AEO(Karachi, Pakistan)

## GIS Trainee [02/05/2021 – 16/06/2022]

Sindh Mines and Minerals Development Department (Geo-Data Centre) (Karachi, Pakistan)

## Assistant GIS Analyst [ 16/10/2020 – 30/04/2021]

ECIL (Karachi, Pakistan)

### Projects:

#### \*Dubai Road Map \*Al Ain \*RTA

## Project Assistant [ 16/10/2020 – 30/04/2021]

Aisha Designer (Karachi, Pakistan)

## Projects:

#### \*Illustrate World Map in German language \*Blyth project \*Pokémon go map \*Interactive map for Election

# COURSES AND TRAININGS:

#### Esri Courses:

* Basics of JavaScript Web Apps-Web course
* Make an Impact with Modern Geo Apps
* Spatial Data Science\_ The New Frontier in Analytics
* Transform AEC Projects with GIS and BIM
* Imagery in Action
* Cartography
* Editing in ArcGIS Desktop-Web course
* Extracting Features with Deep Learning Using ArcGIS Online
* Getting Started with Spatial Analysis
* Python for Everyone
* Photoshop-Beginners-EDUCBA
* CCN Computer networking course- Aptech.
* Excel Beginners to Pro – Alison
* Skillup-101 MS Excel

## K-Electric, GIS Developing Services [19/01/2023 – 30/09/2024]

## Responsibilities:

* + Collaboration with Multidisciplinary Project Team for Electric Network design using ArcFM to meet project objectives & deadlines.
  + Analysed existing spatial data in detail for adapting and creating electric network.
  + Use of mapping database updated every hour to reflect real-time changes of the electric network.
  + Created maps and visualization in ArcMap featuring proposed electric network conﬁgurations for stakeholder inspection.
  + Collaborated with engineers and planners to incorporate input and revise designs from spatial analyses.
  + Pooled resources with other departments to map the information correctly.
  + Developed an extensive project handover document with details on salient deliverables including timelines and responsibilities of stakeholders to ensure a smooth transition and continuity of the project.
  + Conducted field surveys to gather basic details about existing infrastructure for GIS model representation.
  + Integrated with field teams to incorporate field observations into the GIS database for real-time updates.
  + Performed QA/QC on GIS data and maps for project conformity and compliance with electric network design.
  + Implemented regular audits / checks to catch discrepancies and inconsistencies in the data.
  + Participated in training courses and workshops to develop GIS skills set which can eﬀectively be employed to the team.

## Sindh Mines and Minerals Development Department (Geo-Data Centre) GIS Trainee [02/05/2021 – 16/06/2022]

## Responsibilities:

* + Designed and created a comprehensive geodatabase using ArcGIS for mineral exploration areas with collaboration of GIS experts.
  + Provided input for various mineral datasets and conducted data collection along with ensuring completeness and accuracy.
  + Conducted quality control checks and data validation to preserve geodatabase integrity.
  + Generated reports and insightful maps for stakeholders to analyze mineral deposits spatial data in ArcGIS Pro.
  + Created interactive ArcGIS Online dashboards for real-time analysis and visualization of mineral data to support better decision making.
  + Integrated various data layers and visual elements to enhance the usability and functionality of the dashboards for different user groups.
  + Edited, refined, reviewed, and drafted reports, letters and summaries for stakeholders and government officials, delivering project progress and seeking required approvals.
  + Channeled professional and clear communication aligning organizational protocols and standards.
  + Prepared and organized datasets for GIS projects, e.g., data cleaning, formatting, and analysis.
  + Created spreadsheets to monitor project progress, analyze trends and formulate recommendations derived from data findings.
  + Collaborated with interdisciplinary teams in various phases of mineral exploration projects, offering GIS expertise as needed.

ECIL, Assistant GIS Analyst[16/10/2020 – 30/04/2021]

## Responsibilities:

* Successfully transformed physical road maps into digital formats, ensuring precise and up-to-date representations of the road network for improved accessibility and planning.
* Conducted comprehensive inventories of road assets, systematically cataloguing information to provide a clear overview of infrastructure conditions and accelerate effective asset management.
* Collaborated with team members to perform quality control reviews, diligently distinguishing, and rectifying any discrepancies or anomalies in data to uphold exacting standards of accuracy and reliability.
* Utilized Google Earth to enhance datasets by attributing name fields, ensuring that all relevant geographical information easily accessible for future analysis.

## **Aisha Designer*,*** Project Assistant [ 16/10/2020 – 30/04/2021]

## Responsibilities:

* Design and implement interactive maps using various mapping tools and technologies. Ensure maps are responsive and provide a seamless user experience.
* Create and apply custom styles to maps to enhance visual appeal and functionality. Utilize design principles to ensure clarity and usability.
* Develop templates for different map styles to apply across various projects. Ensure templates are easily adaptable for different data sets and user needs.
* Collaborated closely with designers, data analysts, and stakeholders to gather requirements and ensure maps meet project goals.
* **﻿**Maintain clear documentation of mapping processes, styles, and templates for future reference and team training.

# ACADEMIC PROJECTS:

* Assessment and Mapping of Wheat crop using Synthetic Aperture Radar (SAR) Sentinel- 1 Time series (MS Thesis)
* Election based searching application: Web-GIS approach
* Speckle divergence for the identification of built-up areas
* Earthquake-induced landslide-susceptibility mapping through artificial neural network
* S-SEBI: A Simple Remote Sensing Algorithm to Estimate the Surface Energy Balance.
* Evaluation of Landsat Multispectral Data for Automated Mapping of Surface Soil Texture
* Temporal analysis among NDVI, SAVI, MSAVI and IDW
* Characterizing losses in fibre transmission due to Bending, Stresses and Humidity ( B.E. Thesis)

# LANGUAGES:

* English
* Urdu