

EDUCATION

- **National University of Science and Technology, NUST** 2023 (Ongoing)
Master's in Computational Science and Engineering, SINES, Islamabad
- **NED University of Engineering and Technology** 2018 (Graduated)
Bachelor's of Engineering (Civil), Karachi
- **CommeCS College of Emerging Science** 2014 (Graduated)
Pre-Engineering, Board of Intermediate Education, Karachi
- **Beaconhouse School System** 2012 (Graduated)
Computer Science Group, Cambridge University Board (O-level), Karachi

EXPERIENCE

- **Research Associate, NUST** November 2022 - April 2023
Islamabad
 - Data preprocessing, Data preparation, Time series Analysis
 - Applying ML models, Accuracy Assessment, Applying DL models, Data Analysis
- **Data Analyst, Dense Fusion** Jan 2022 - Dec 2022
Islamabad
 - collecting, analyzing, and interpreting data to uncover trends and insights
 - collaborated with teams to enhance data collection processes and ensure data quality
- **Internee, IAL** Aug 2021 - Sep 2021
Islamabad
 - Data Gathering, Data pre-processing
 - Time series Analysis
- **Junior Project Manager, Pinnacle Consultation Group** 2019 - 2021
Karachi
 - Quantity Estimation, Data gathering and processing
 - cost estimation, Planning and management

PERSONAL PROJECTS

- **Master's Thesis** 2022-2023
Change Detection & Tracking of the Coastline of Pakistan using Machine Learning and Remote sensing
 - Tools & technologies used: GIS, Python, Machine Learning, Image Segmentation, Random Forest, Supervised machine learning, Time Series Analysis
- **Time Series Data Analysis on Carbon dioxide Emissions using ARIMA** 2022-2023
A sequence of numerical data obtained at regular time intervals.
 - Tools & technologies used: Python, Machine Learning, Moving Average, Jupyter notebook
- **Satellite-based Image Classification** 2022-2023
Year-wise Image classification of Islamabad
 - Tools & technologies used: Python, Machine Learning, Image Segmentation, Random Forest, Supervised machine learning, Time Series Analysis

TECHNICAL SKILLS AND INTERESTS

Languages: Python, javascript
Developer Tools: VS Code, ArcGis, Qgis
Soft Skills: communication, teamwork, leadership, adaptability, and problem-solving
Coursework: Short course on SQL, Workshop on Deep learning
Areas of Interest: GIS, Machine Learning, Google Earth Engine

POSITIONS OF RESPONSIBILITY

- **Research Associate, Image Analysis Lab** Aug 2022 - Dec 2022
- **Lab Assistant, Image Analysis Lab** Aug 2021 - Dec 2021

REFERENCES

- References would be provided in request