

Zark Ali Jan

STREET ABUBAKAR MASJID WAFaqi COLONY, LHR

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EDUCATION

Riphah International University

Master of Science in Data Science

Lahore
Sep 2022

- Honors: Talent Scholarship
- Relevant Coursework: Data Science I, Tools and Techniques in Data Science, Machine Learning

COMSATS University Islamabad

Bachelor of Science in Computer Science

Vehari
Spring 2018

- Relevant Coursework: Operating systems, Database management systems, Data structures and algorithms, Software analysis and design, Computer architecture, Differential Equations, Mathematical Statistics, Web Technologies

SKILLS & INTERESTS

- **Programming:** Java, SQL, Python, JavaScript
- **Web Technologies:** HTML, CSS, Bootstrap, Knockout-js, OJet, PHP
- **Technologies and Tools:** REST API, Git, Eclipse, Spring Boot, Rapid Miner, Orange, Weka, Microsoft Excel
- **Language:** English, Urdu and Pashto

PROJECT & RESEARCH EXPERIENCE

Riphah International University

Time Series Analysis of Cryptocurrency Using Machine Learning Techniques

Lahore
Fall 2021

- In this project we use 3 interval datasets 1) 24H 2) 5M and 3) 1M. 1 minute's dataset have 4857377 row data and 5 minutes have 402696 rows also 24-hour data have 1647 rows data.
- Applying 7 algorithms (LR, LDA, QDA, RF, XGB, SVM, LSTM) to find best accuracy algorithm for predication of next interval.

Riphah International University

Prediction and Classification of Disease in Maize leaf using Machine Learning Techniques

Lahore
Fall 2021

- In this study we use maize leaf disease data set that have 4191 image files of the different disease and the healthy leaf's. In this dataset we have three disease Northern corn leaf blight, Common Rust, Gray Leaf Spot and healthy leaf images. We split the data in two parts training and testing data.
- Applying 5 algorithms (K nearest neighbors, SVM, LR, RF, Decision Tree) to find best accuracy

Riphah International University

Disease detection of tomato leaf's

Lahore
Fall 2021

- In this study we use Tomato leaf disease data set that have 18000+ image files of the different disease and the healthy leaves. In this dataset we have Some Bacterial Wilt, Early Blight, Late Blight, Septoria Leaf Spot, Leaf Mold, Bacterial Spot, Tomato Yellow Leaf Curl and healthy leaf images. Presented results to audience of 20 at annual mathematics meeting.
- Applying 3 algorithms (K means, SVM, CNN) to find best accuracy.

COMSATS University Islamabad

StegoBox: LSB Based Text and Image Steganography Using AES Algorithm

Vehari
2018

- The steganography is the art of hiding data in another data. Secret information like messages, images, audio and video can be hidden inside the cover image.

PROFESSIONAL EXPERIENCE

OBDX (Oracle Banking Digital Experience) – Development

Lahore
2022

TECHLOGIX / ABL:

- Involved in the Agile development process to develop crucial components like raast alias.
- Retrieving account-associated certificates.
- Accessing account information.

WFM (Workforce management) – Analyst

Lahore
2020

PTCL:

- Monitoring and interpreting workforce data to discover patterns and potential areas for improvement.
- Creating and executing schedules, staffing strategies, and forecasting methods to enhance workforce efficiency.
- Furnishing recurrent reports and assessments to upper management on workforce productivity and performance.
- Investigating and analyzing the underlying cause of service level and quality problems.
- Obtained a 15% rise in engagement by implementing product advancements and improving the existing suite.

Junior Web Developer – Development

Lahore
2019

PTCL:

- Contributed to the planning and development of a new website component.
- Troubleshooting and debugging any issues that arise on the website.
- My main role is to keep the website updated and performing well

Web Developer – Development

Lahore
2018

E-Rozegar:

- Planning, implementing, and conceptualizing the features and functionality of websites and web applications.
- Manage the submission and validation of "Order Forms".
- Writing clean, efficient, and well-documented code.