Faiza Iqbal

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Gender: Female **Date of birth:** 02/12/2000 **Nationality:** Pakistani

ABOUT ME

Passionate Data Scientist with expertise in Python programming, SQL Server, and a focus on Artificial Intelligence, Machine Learning, and Natural Language Processing. Enrolled in a Masters of Data Science program, conducting impactful research.

WORK EXPERIENCE

[14/11/2023 – Current]

Research Assistant

Mehran University of Engineering and Technology (RADAR)

Country: Pakistan
- At the RADAR (Record Access and Data Retrieval) Center my role is to manage databases and analyze data using complex queries.
- Collecting data from various university sources, particularly related to publications.
- Utilizing my skills in PHP, HTML, and CSS to create a user friendly web portal for the RADAR Center, making information more accessible and improving data retrieval processes.

[17/05/2023 – 13/11/2023]

Research Assistant

Mehran University of Engineering and Technology (Examination)

City: Jamshoro
- Designed and developed SQL Server databases for efficient query resolution.
- Led collaborative initiatives as Q-OBE (Outcome Based Education) Coordinator and spearheaded a revolutionary grading systems project.
- Managed MUET's Examination Department's WordPress website for timely updates on events and announcements.

[06/2022 – 09/2022]

Research Intern

Huawei Technologies

City: Karachi
- Worked in Huawei technologies on Jazz MS project in Project Management (PMO) department.

EDUCATION

[06/02/2023 – Current] **Master of Data Science**

Mehran University of Engineering and Technology

CGPA: 3.89/4.00

- Conducting an extensive literature review to inform research on opioid use disorder.
- Currently engaged in utilizing advanced Natural Language Processing (NLP) techniques to analyze Reddit data, with the aim of uncovering insights into patterns and dynamics of opioid-related discussions.

Relevant Coursework: Data Science Tools and Techniques, Machine Learning, Deep Learning, Natural Language Processing, Big Data Analytics.

[2018 – 2022] **Bachelor of Telecommunication Engineering**

Mehran University of Engineering and Technology

CGPA: 3.82 / 4.00

Thesis: Implementing the Feasibility of Evaluating Homomorphic Encryption on Dataset

DIGITAL SKILLS

SQL | Python | Microsoft Office | Machine Learning | Natural Language Processing | Data Science | Latex | SQL Reporting Services (SSRS) | Weka

PUBLICATIONS

Book Chapter

"Artificial Intelligence-Enabled 6G Mobile Systems" in *Intelligent Technologies for Healthcare Business Applications*

(Springer, 2023).

PROJECTS

Substance Abuse Patterns on Reddit: NLP Analysis for Opioid Use Disorder Insights (Current Master's Project)

Conducting in depth research and literature review on substance abuse for the master's thesis. Focus includes analyzing substance abuse patterns using Reddit data and employing NLP techniques for data extraction and analysis.

Advanced Data Analytics for ChatGPT

Explored advanced data visualization techniques to analyze ChatGPT discussions on Twitter. Investigated public perceptions of ChatGPT using Python and Weka and conducting sentiment analysis.

University Grading System Enhancement

As a Research Assistant, contributed to improving the university grading system by introducing a novel relative grading approach. Applied data-driven methodologies to enhance precision and fairness.

Implementing Feasibility of Evaluating Homomorphic Encryption

Developed a model encrypting hospital data to ensure secure cloud transmission without compromising patient privacy. Demonstrated proficiency in complex data handling and commitment to real world privacy solutions.

HONOURS AND AWARDS

First Position holder in Master's 1st Semester

Annual Scholarship Holder

Top 10 Student in Bachelors

Top 30 Finalist-Huawei ICT Competition, Pakistan, 2022-23

CERTIFICATIONS

Linear Algebra for Machine Learning and Data Science, Coursera

Databases and SQL for Data Science with Python, Coursera

Programming For Everybody (Getting Started With Python), Coursera

What is Data Science?