NIMRA ASLAM

MATHEMATICAIN, DATA SCIENTIST

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OBJECTIVE

Dedicated and analytical professional with a Master's in Mathematics and over 3 years of experience in data science, collection and management data analysis. Proficient in MS Office and mobile/web applications, with a proven track record in managing complex data projects and delivering impactful research results. Seeking to leverage my expertise to enhance community health initiatives and improve data management practices, while applying my analytical skills, communication abilities, and local knowledge to advance public health outcomes.

EXPERIENCE

Data Scientist, Upwork | 2020 – Present

- Designed and analyze the complex datasets. Optimized performance through different advanced techniques.
- Leveraged data insights to support decision-making and improve healthcare resource management.

Data Analyst, IQUANTI | 2019

- Conducted comprehensive data analysis to support strategic marketing initiatives, resulting in a 15% increase in campaign effectiveness.
- Designed and developed interactive dashboards using Power BI to visualize key performance metrics, enhancing decision-making processes.
- Improved data accuracy by 10% through rigorous data cleaning and validation, ensuring the   reliability of business insights

Researcher, COMSATS University Islamabad | 2022 - 2023

- Conducted innovative research on the utilization of horizontal magnetic fields in the thermophysical convective flow of nanofluid.
- Published findings in peer-reviewed journals, contributing to significant advancements in the field of nanofluid research.

EDUCATION

Master's in Mathematics, COMSATS University Islamabad, Sahiwal Campus | 2021-2023

- CGPA: 2.79

MSc in Mathematics, COMSATS University Islamabad, Sahiwal Campus | 2018-2021

- CGPA: 3.00

BSc in Math (A, B) & Physics, Islamia University Bahawalpur| 2015-2017

- 484/800

SKILLS

- **MS Office**: Advanced proficiency in Excel, Word, and PowerPoint for comprehensive data handling and detailed reporting.
- **Data Management**: Proficient in using mobile and web applications for data collection and management.
- **Programming Languages**: Expertise in Python for data analysis and modeling.
- **Data Manipulation**: Skilled in pandas, NumPy, and SQL for effective data processing and management.
- **Data Visualization**: Proficient in creating impactful visualizations using matplotlib, seaborn, Power BI, and Tableau.
- **Data Processing**: Advanced capabilities in Data Preprocessing, Feature Engineering, and Data Augmentation.
- **Communication**: Exceptional written and verbal communication skills, with experience in managing public relations campaigns and engaging stakeholders.
- **Additional Skills**: Strong problem-solving and critical thinking abilities, effective teamwork, and project management.

CERTIFICATIONS

- Data Science ,Generative AI | iNeuron, 2024
- Digital Marketing | e-Rozgar Punjab, 2022

PROJECTS

- **COVID-19 Impact Analysis**: Analyzed COVID-19 data to assess its effects on healthcare systems and patient outcomes.
- **Predictive Modeling for COVID-19 Trends**: Developed machine learning models to forecast COVID-19 case trends and resource needs.
- **COVID-19 Data Visualization Dashboard**: Designed an interactive dashboard to visualize and interpret COVID-19 data for stakeholders.
- **Integrated Patient Record System**: Developed a system to consolidate and analyze patient records from multiple sources for comprehensive health insights.

LANGUAGES

- Urdu (native)
- English (Conversational)