HASSAN IQBAL

Data Scientist

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SUMMARY

Motivated Data Science Intern with a strong foundation in statistics, machine learning, and data analysis. Skilled in Python, SQL, and data visualization using tools like Matplotlib, Seaborn, and Excel. Familiar with end-to-end workflows including data cleaning, exploratory analysis, and model building using libraries such as Pandas, Scikit-learn, and NumPy. Eager to apply theoretical knowledge to real-world problems, contribute to data-driven decision-making, and grow within a collaborative and innovative team environment.

EDUCATION

University of Lahore, Lahore   *Feb 2025 – Present*
MS, Data Science

     University of Education, Lahore   *Nov 2019 – May 2023*
Bachelor of Mathematics

PROJECTS

Exoplanet Classification using Kepler Data   *2024*

- Built custom feature visualizations and anomaly detection pipelines.
- Applied supervised learning techniques for classification of exoplanets.

Solar Flare and Galaxy Classification   *2024*

- Used supervised models and data mining techniques for multi-class classification tasks.
- Visualized feature contributions to enhance model interpretability.

Voice Biometrics System   *2024*

- Developed speaker authentication using deep audio features and neural networks.

Spam Email Detection   *2024*

- Used NLP preprocessing and classification models for spam filtering.

TECHNICAL SKILLS

- **Languages & Libraries:** Python, Pandas, NumPy, Scikit-learn, Keras
- **Visualization:** Matplotlib, Seaborn, Feature Importance Graphs, Dashboards
- **Databases:** MySQL, MongoDB, Graph Query Language
- **ML Techniques:** Supervised Learning, Anomaly Detection, NLP, Data Mining
- **Preprocessing:** Data Cleaning, Feature Engineering, Imputation, SMOTE, Interpolation
- **Tools:** Hadoop, Power BI, Excel, Orange, KNIME, Neo4j, OWL
- **Others:** Object-Oriented Programming, Data Structures