Zen Mariam

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Aspiring data scientist with a strong academic foundation in data analysis, statistical modelling, programming, machine learning and data visualization. Proficient in Python, R, and SQL, with a passion for leveraging data to solve real-world problems. Eager to contribute analytical skills and drive data-driven decision-making in a professional environment.

Education

MSc Data Science, Aligarh Muslim University   *2022-Present*
Major: Data Science

BSc (Hons) Statistics, Aligarh Muslim University   *2018-2021*
Major: Statistics | Minor: Mathematics, Physics.
Division: First with Distinction

Projects

Deloitte: Unlocking Customer Insights   *Oct 2023*
- Explored and preprocessed banking data, ensuring data readiness for analysis.
- Employed advanced Clustering Techniques to group customers.
- Derived actionable insights to drive personalized marketing strategies.

Restaurant Recommendation System   *Oct 2023*
- Utilized K-Means Clustering for restaurant recommendations based on geographical coordinates.
- Demonstrated expertise in geospatial data analysis and machine learning.

Image Editor Application using OpenCV and Tkinter   *Sep 2023*
- Created a user-friendly image editor with OpenCV and tkinter.
- Enabled users to apply filters, adjust colors, and edit images easily.

Heart Attack Risk Prediction using Automated Machine Learning   *Sep 2023*
- Leveraged EvalML for Automated Machine Learning.
- Explored multiple algorithms and optimized-hyperparameters.

Sentiment Analysis Django Application   *Aug 2023*
- Developed a Django web application for sentiment analysis.
- Utilized Natural Language Processing to analyze and classify text sentiment.

Skills and Abilities

- **Programming Languages:** Python, R, SQL, C/C++, JavaScript
- **Software and Tools:** Microsoft Power BI, Tableau, Microsoft Excel, IBM SPSS, Hadoop, Git, MATLAB, NLTK, OpenCV, TensorFlow, Keras, Scikit-Learn, Scipy, Django, NumPy, Pandas
- **Database Management:** MySQL, MongoDB, MariaDB
- **Analytical Skills:** Data Mining, Data Analysis, Big Data Analytics, Statistical Analysis and Modeling, Data Visualization, Operations Research, Market Research and Analysis, Time Series Analysis
- **Technical Skills:** Machine Learning, Deep Learning, NLP, Computer Vision, Cloud Computing.

Certifications

SQL for Data Science, University of California, Davis   *Jan 2022*

Machine Learning, Stanford University   *Nov 2021*

IT Automation with Python, Google   *Nov 2021*

BI Data Engineer | Analyst: Power BI, SQL, DAX, Udemy   *Oct 2021*

What is Data Science, IBM Skills Network   *Sep 2021*

Open-Access Data Science & Advanced Analytics Virtual Experience Program, BCG   *Jul 2021*