JOANNA RASHID

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Summary

Data scientist / data analyst specializing in technical data analysis and visualization, statistical modeling, and machine learning. Skilled in utilizing programming languages such as Python, SQL, and R. Demonstrated strong problem solving skills and expertise in transforming raw data into actionable insights.

Skills

Technical Skills:

Python · R · SQL · AWS · Google Cloud · GitHub · Tableau · PowerBI · D3 · Databricks · JetBrains · Jupyter Notebook · Stata · Arena · Matlab · ArcGIS · Shiny · Spark · Data Mining · Data Science · Statistical Analysis · ML Libraries and Algorithms · Data Manipulation · Data Visualization · Predictive Analytics · Simulation · A/B Testing · Business Analytics · ETL

Experience

C & M Surgical Guides
Remote (San Francisco, California)
Business Data Analyst
10/2023 - 12/2023

Contract Project

- Interpreting and analyzing complex revenue data to drive business strategy
- ETL: SQL queries in Delphi/NexusDB, data cleaning, statistical analysis, and geocoding (SQL, Python)
- Analytics: Create revenue analysis dashboard with live database connection for ongoing stakeholder use (Tableau)
- Machine Learning: Developed location optimization model which optimizes for revenues on client data (Python)
- Application: Delivered interactive location optimization model (Python, Java, HTML)

Georgia Institute of Technology in cooperation with GE Vernova
Remote (Boston, Massachusetts)
Research Intern
05/2023 - 08/2023

Master's program capstone project

- ETL: Analyzing atmospheric CO2 and socioeconomic vulnerability, complex spatial joins of rasterized remote sensing data and tabular economic data (Python, Google Cloud)
- Machine Learning: Used various cluster analysis techniques to explore the relationship between various socioeconomic indices and CO_2 emissions (DBSCAN, K-Means, ensemble methods)
- Application: Delivered results in an interactive application using (Python, Java, HTML, Ploty, Dash, and Streamlit)

Education

Georgia Institute of Technology
Master of Science of Data Analytics
09/2023

- Interdisciplinary data science and analytics program with coursework in the Colleges of Computing, Business, and Engineering
- Coursework included advanced mathematics, statistics, object oriented programming, predictive modeling, machine learning, business analytics

San Jose State University
Bachelor of Science of Economics
05/2021

- Emphasis in Econometrics
- Minor in Applied Computing
- Graduated with Economics Departmental Honors
- Extensive course work in the life sciences

Certification

Machine Learning for Data Science — SJSU Graduate School of Business, October 2020

Spatial Data Science — ESRI, April 2020

Volunteering

San Francisco Autism Society
Board Member
2021 - 2023

Active board member and volunteer educational video content production