

Rime Saad

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PROFESSIONAL PROFILE

Data science professional with a science background and experience in data collection, machine learning, and statistics. Seeking to leverage data analytical skills to improve corporate performance. Passionate about explaining data science to business audiences.

TECHNICAL SKILLS

Data Science: Data Wrangling, Statistical Modeling, Predictive Analytics, Data Visualization, Social Media Analytics

Analytical Tools: SQL, Python, Tableau, numpy, pandas, spark

Databases: MySQL, Postgres, MS SQL Server

Machine Learning: Random Forests, SVM, KNN, Gradient Boosting

RELEVANT EXPERIENCE

Data Science Career Track, Springboard

10/2020 - 8/2021

Sales Forecasting and Customer Segmentation for an Online Store

https://github.com/rime11/springboard/tree/master/capstone_3

- Performed data cleaning and exploratory data analysis and statistical analysis on a two year 1M record store sales data set using Python
- Implemented feature engineering and built a predictive model using machine learning algorithms such as ARIMA, Random Forests and Gradient Boosting to predict sales using Python's scikit-learn library
- Developed visualizations to derive insights about customer segmentation and customer clustering using K-means, Hierarchical clustering, matplotlib and seaborn to provide a better understanding of customer behaviour

Early Stage Diabetes Detection

https://github.com/rime11/springboard/tree/master/capstone_2_diabetes

- Performed exploratory data analysis, hypothesis testing and statistical analysis using data on patients from Sylhet Diabetes Hospital in Sylhet, Bangladesh
- Built a predictive model using machine learning techniques to predict which patients could be in the early stages of diabetes from patients' symptoms using Python's scikit learn library
- Developed visualizations to derive insights on the data using matplotlib and seaborn

OTHER EXPERIENCE

Coach, FIRST Lego League, KW Bilingual School, Waterloo, Canada 2013 - 2015

- Coached a team on robot construction, programming and mission planning. Achieved 2nd place in regional tournaments

Teacher and School Administrator, Alhuda School, Waterloo, Canada 2010 - 2015

- Taught chemistry, circuits, and programming. Awarded 'Most Innovative Teacher' prize

Network Administrator, GE, Natrel/Agropur, & InstaDVD, Canada 2000-2003, 2005-2008

- Managed network implementation and provided end user technical support

EDUCATION AND CERTIFICATION

Data Science Career Track, Springboard, San Francisco, CA

- 500+ hours of coursework and hands-on application in the following areas: Python, SQL, Spark, machine learning, inferential statistics, data visualization, and data storytelling

Bachelor of Science, McGill University, Montreal, Canada