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 non-technical business audiences.

TECHNICAL SKILLS

Database: MS SQL Server, MySQL, Postgres
Analytical Tools: SQL, Python, Tableau, numpy, pandas, spark, customer segmentation.
Data Science: Data Wrangling, Statistical Modeling, Predictive Analytics, Data Visualization, Social Media Analytics
Machine Learning: Random Forests, SVM, kNN, Gradient Boosting

RELEVANT EXPERIENCE

Data Science Career Track, Springboard   Oct 2020 to Aug 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 of around two years and 1M store sales 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 Kmeans, Hierarchical clustering, matplotlib and seaborn that provided 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, ON   Sept. 2013 to June 2015
- Trained a team of middle schoolers in robot construction, programming and mission planning for regional tournaments

Teacher and School Administrator, Al Huda School, Waterloo, ON   Aug 2010 – May 2015
- Taught science (chemistry, electrical circuits), programming (Lego Mind storm) and language
- Followed student progress reports and recommended strategies to help them
- implemented strategies to get students interested in science and technologies
- Won price for most innovating teacher of the year

Network Administrator, InstaDVD,   Waterloo, ON   Jan. 2005 to Winter 2008
- Set up networks and resolved networking problems for DVD rental kiosks

Network Administrator,General Electric, Toronto, ON   20002 to 2003
- Created and managed user accounts and managed security permissions on Windows networks, as well as resolved client software and hardware problems by providing end user technical support

Network Administrator,Natrel/Agropur, Montreal, QC   2000-2002

- Managed network implementation of a 500+ server network composed of multiple domains and operating system
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EDUCATION AND CERTIFICATION

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

Awards
- Best Innovative Teacher and Mentor   June 2015