Galib Khan

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https://majestickhan.com

SUMMARY

Data Scientist specializing in large scale data analysis to provide business directions and implement cost saving methods. Able to use various modern tech stacks to create solutions ranging from exploratory data analysis to modeling development to automation. Known for being a strong advocate of reducing complexity without impacting performance.

SKILLS

- Python
- SQL
- R
- Tableau, Rmarkdown, Seaborn
- Spark *(Scala),* Hadoop, Impala
- OpenAI Gym / Stablebaseline
- GCP/Azure
- Git
- Linux
- SnowFlake

WORK EXPERIENCE

Kraft Heinz   Chicago, IL
Data Scientist   March 2022 to Present

- Part of the digital effort of revolutionizing Kraft Heinz's claim deduction processes to detect and reduce invalid claims worth $160 million
- Developed recommendation system to place products in certain manufacturing lines with a cost savings of over $370,000
- Created Naïve Forecast models to forecast trend of overfill and detect high probabilities of underfilling products reducing operation cost

Northern Trust   Chicago, IL
Data Scientist   August 2018 to March 2022

- Used K-means clustering to automate search of selling ETF assets to potential clients
- Team lead in handling/managing transaction data using Spark and Impala for the purpose of analyzing client behavior and optimizing interest rates on clients' deposits
- Constructed framework in Python and R that aggregates and evaluates various classification models (*Random Forests, Support Vector Machine, Logistic Regression, Gradient Boosting, Adaboost*)
- Improved data processing pipeline for FX high-frequency trading data by leveraging Spark allowing team to track profitability via Impala and Tableau
- Scaled hyperparameter tuning for Arma-Garch models on Linux servers, reducing computing time from 2 days to 12 hours

ACADEMIC

University of Chicago, Physical Sciences Division   April 2020 to Present
- Master of Science in Analytics (MScA)   GPA: 4.0/4.0
- Teaching Assistant for Reinforcement Learning

Rutgers University, Rutgers Business School – New Brunswick, NJ   May 2018
- B. S., Business Analytics and Information Technology (BAIT)   GPA: 3.9/4.0
- Graduated with the highest GPA in BAIT
- Teaching Assistant for undergraduate and graduate R and Python courses

Columbia University   Fall of 2019
- Grader for Dr. Wajahat Gilani for Applied Analytics

PROJECTS/RESEARCH

- Experimenting on how to develop, train, and transfer models from simulated environments to physical environments using CoppeliaSim, OpenAI Gym, and Legos
- Replicated Federal Reserve Bank of New York's Nowcasting model in Python based on Matlab version
- Contributed to Tensorflow/Adanet repository by developing a try/catch solution to run on Window