JADID SARKER

DATA SCIENTIST

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EMPLOYMENT

Bombardier
Data Analyst · Apr. 2018 to Current · Montreal, Quebec, Canada

Implemented a Machine Learning model for clusterization, classification, and anomaly detection to reduce work load by over 45%.

- Used Matplotlib to demonstrate advantage of machine learning models and time savings to upper management.
- Used K-means and GridSearchCV to preprocess data to improve our classifier and reduce error by over 50%.
- Used a voting classifier with multiple classifiers to reduce workload by over 40%.
- Used Bayesian Gaussian Mixture for anomaly detection to reduce workload by more than 5%.

Restaurant Aladdin
Head Waiter · May 2014 to Mar. 2018 · Montreal, Quebec, Canada

Implemented two systems as the head waiter to optimize service which doubled productivity.

- Applied a system of assigning waiters to tables resulting in quicker service and better table supervision .
- Established a partnership system between waiters and busboys which optimized teamwork and improved communication.

PROJECTS

MNIST CLASSIFIER
Feb. 2019 to Mar. 2019
-Created a voting classifier using Random Forest Classifier, Extra Trees Classifier, Linear Support Vector Classifier, and Multilayer Perceptron Classifier.
-Created a Stacking Ensemble with a blender to compare our result with the voting classifier.
-Code was written in Python with Scikit-Learn, Numpy and deployed with Amazon Sagemaker, ECR, ECS, and Docker containers in AWS.

CLUSTERING/PREPROCESSING UNLABELED DATA
Mar. 2019 to Apr. 2019
-Created a cluster using DBSCAN, KNeighbors, Spectral Clustering, and Bayesian Gaussian Mixture Model.
-Code was written in Python using Scikit-Learn, Numpy, Matplotlib and deployed with Amazon Sagemaker, ECR, ECS, and Docker containers in AWS.

GENERATING IMAGES WITH DEEP CONVOLUTIONAL GANS
Apr. 2019 to May 2019
- Created a DCGANs that generates grayscale images using a generator and discriminator.
- Code was written in Python using Tensorflow, Keras, and Numpy and deployed with Amazon Sagemaker, ECR, ECS, and Docker containers in AWS.

GENERATING TEXT USING AN NLP RNN
May 2019 to June 2019
-Created a Recursive Neural Network that is capable of generating fake Shakespeare text.
-Code was written in Python using Tensorflow, Keras, Numpy, and deployed with Amazon Sagemaker, ECR, ECS, and Docker containers in AWS.

SKILLS

LANGUAGE/TOOLS: Keras, Tensorflow, SciPy, Spark, SQL, Python, Flask
AWS: Sagemaker, EC2, ECS, ECR, EMR
MACHINE LEARNING: Support Vector Machines, Ensemble Learning, CNN, Reinforcement Learning

EDUCATION

Concordia University · Oct. 2013 to Mar. 2018
B.Eng Mechanical Engineering 2018