Aayush Sheth

Software Developer

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Technical Skills

Programming

- Python
- C
- Java
- MySQL
- Bash

Other Skills

- Git
- Jenkins
- AWS/GCP
- Docker
- Tableau
- Linux

Education

B.Sc. Computer Science

Wilfrid Laurier University

2016 - 2020

Waterloo, Ontario, Canada

T.A for CP212: Intro to VBA

Relevant Courses

Machine Learning

Data Mining

Databases

Networks

Artificial Intelligence

Experience

Scotiabank, Software Engineer Present
Toronto, ON

- Developed classification rules within payment engine using Java causing an increase in the overall success rate of high value payments from 86% to 90%
- Improved name matching rate from 8 hours to 2 hours within payment hub by implementing fuzzy string-matching algorithm
- Created dashboard for analyzing and visualizing payment metrics such as success rate, uptime, fraud rate, etc. using Python, MySQL and PowerBi

CIBC, Application Developer MAY – AUG. 2019
Toronto, ON

- Developed address parsing engine using Java to support address validation in CIBC's mortgage approval application ensuring no data degeneration occurred during downstream data processing
- Used Firebase hosted REST API to deploy an app which provided real estate information such as square feet, date of construction etc. when given an address within the Greater Toronto Area
- Converted Bash scripts into standalone Java programs to be used by mortgage agents to save them time and improve accessibility to applications
- Reconstructed Java code to fix incorrect server response errors, saving developers time and company resources

Rogers Communications, Automation Tech MAY – AUG. 2018
Toronto, ON

- Outlined areas of improvement and designed processes within the Software Development process that could be further optimized through RPA
- Designed and developed various Jenkins shared steps such as verification, error-handling, and utility functions, etc. resulting in reduced code maintenance time and increased code reusability and robustness
- Administered UCD to Jenkins pipeline transfer, consisting of tasks such as configuring relevant plugins, creating build and configuration files, and running operational processes via shell scripts

Projects

Recommendation System: *See More: https://bit.ly/35VZJbd*

- Built a movie recommendation system with Jupyter that uses a SVD and collaborative filtering approach to find latent vectors from the Movielens 100k dataset, which are then used by the model to make rating predictions and recommend unseen movies

Image Processing Library: *See More: https://bit.ly/2Q59Jpy*

- Wrote an image processing and classification library in Python that applies various filters on images such as scaling, sharpening, etc. using convolution matrices and classifies digits using feature vectors and connected components