Zahin Roja

zahinroja1@gmail.com | 929-501-3199 | New York, NY

EXPERIENCE

Bank of America, Software Engineer
July 2020 – Present | Jersey City, NJ

- o Supporting a portfolio management and monitoring tool to simplify underwriting and credit monitoring process which aggregates alerts analytics and workflows into a single platform with financial, loan, and credit data to reduce manual entry, minimize review of credit documents, and improved accuracy for client and regulatory impacts
- o Tech lead on E2E process of development, testing, and coordinating with release management for production ready code deployment
- o Sourcing millions of records of global banking data through stored procedures and Autosys shell scripts to trigger jobs to load data to tables
- o Designed ML models for Datathon challenge Adapting to Climate Change by Improving Extreme Weather Forecasts by determining various factors that have greatest impact on Climate Change
- o Assisted in the creation of a speech-to-text recognition NLP tool to increase efficiency for business to query through database and minimize manual typing to query results and produce reports
- o Implemented machine learning algorithms like XG Boost, Random Forest and Naive Bayes to classify a trade (warehoused vs. unwarehoused) and presented results

ViacomCBS, Data Science Intern
January 2020 – March 2020 | New York, NY

- o Created 15-20 ETL scripts with Pyspark to centralize real-time data extracted from Facebook, Instagram, and other social media sites to draw insights on how social media can impact ViacomCBS brands Advertising

Bank of America, Technology Analyst Intern
June 2019 – August 2019 | Charlotte, NC

- o Increased loan processing from 15% to 50% by working on a proof of concept to compare and contrast data virtualization on Trifacta with TIBCO Composite to increase loan processing and presented results to 15-20 business executives

NBC Universal, Mediatech Intern
Jan 2019 – May 2019 | New York, NY

- o Developed a full-stack application to increase efficiency from 50% to 70% using AWS for backend and Angular and JavaScript for front end so users in TV Entertainment team will have one central location to input incidents per application

Mount Sinai Health System, Data Analyst Intern
May 2018 – August 2018 | New York, NY

- o Predicted different outcomes in health failure project with NLP processing to clean files and create models using Python and Azure Machine Learning
- o Analyzed relationships between variables in Heat Maps, Violin Plots, Bar Graphs, Box Plots, Violin Plots, Scatter Plots and presented final outcomes of patient readmission rate within 30 days

EDUCATION

University of Southern California
Masters in Data Science
Expected May 2023

Fordham University
B.S. in Computer Science
Graduated May 2020

PROGRAMMING

Python
SQL
 C++

DATABASES

MySQL
Oracle SQL

TOOLS

Autosys
Jenkins
Trifacta
Git
Sourcetree
JIRA
Docker
TIBCO Composite

PLATFORMS

AWS (EC2, S3, DynamoDB)
Azure
Firebase

AWARDS

Rewriting the Code Fellow

LANGUAGES

Bengali – Fluent
Spanish – Fluent

LINKS

LinkedIn: zroja
GitHub: zroja