Shiva Lakshmanan

shivalakshmanan1@gmail.com, (845) 287-3910

SKILLS

Languages: Python, SQL, R, Git, Java, OCaml

Technologies/Applications: Python, SKLearn, Numpy, Keras, Flask, Tableau, Alteryx, Spark, AWS, MLFlow, Hive/Hadoop, Teradata

WORK EXPERIENCE

JP Morgan Chase **September 2019 - Current**

Data Scientist

Machine Learning/Software Engineering

- Built detection model to identify customers engaging with debt settlement companies (DSC) that discovered 10x more DSC engaged customers than the current methodology
- Developed customer targeting model for Chase Auto, leading to a 4x lift in the discovery rate for potential car buyers and lessees

Data Engineering/Automation

- Drove +$25mm in incremental deals and saved 2+ FTE by automating manual data pipeline and curating new datasets for insights dashboard serving ~2k bankers
- Implemented SQL script to build COVID relief dataset and report for Chase Home Lending portfolio for Chase leadership consumption
- Saved 20 hours of FTE per month by building Tableau dashboards and automating backend data pipelines
- Reduced execution time for 5+ analytics projects by engineering 5 curated, machine learning ready data assets for ML consumption and workflows
- Freed up 20 hours of FTE a week by automating manual reports for Chase Auto CEO into Alteryx workflows

Insights

- Delivered competitive analyses on merchant processors to Business Banking CEO and broader Chase leadership
- Monitored impact of the Apple Card on Chase's Credit Card Portfolio through SQL scripts
- Optimized collection and communication strategies for Chase Auto by creating a profiling framework that segments all Chase Auto customers by digital engagement
- Doubled booking rate by identifying 6 spend behaviors to drive Chase Auto Marketing campaigns using SQL

University of Rochester Data Science REU **June 2018 - August 2018**

Data Science Undergraduate Researcher

- Uncovered similarities in human mobility patterns in physical and virtual space by aggregating and analyzing large datasets using Pandas and SQL

Cornell Center for Advanced Computing **June 2017 - May 2018**

Astronomy Undergraduate Researcher

- Automated a data pipeline to search for radio transient signals and single pulse pulsars using Python in order to run on broad radio telescope data formats

EDUCATION

Cornell University **GPA:** 3.77/4

B.A in Physics with Minor in Computer Science May 2019