

Education

**Rutgers University**  
Master of Science, Computer Science, CGPA: 3.42/4.0

**New Brunswick, NJ, USA**  
Sep 2017 - May 2019

**Relevant Coursework:** Machine Learning, Databases, Computers in Biomedicine, Artificial Intelligence, Math for Data Science, Deep Learning, Data Mining, Data Wrangling, Data Structures & Algorithms, Probability & Statistics, Visualization, Computer Architecture.

Technical Skills

- **Languages:** Python, SQL, Java, JavaScript
  - **AWS:** S3, EC2, RDS, DynamoDB, Redshift, CloudFormation, Lambda, ELB, ElastiCache, CloudWatch, Glue, Athena, SNS, SQS, SageMaker
  - **Full-Stack:** AngularJS, HTML, CSS, Bootstrap, Flask, SQLAlchemy, Git, PyTest, Postman API, Coverage, Google Analytics
  - **Machine Learning/Other Tools:** Airflow, Terraform, Snowflake, Docker, Bitbucket, Jira, Numpy, Pandas, Matplotlib, Seaborn, Plotly, D3.js, Scikit-learn, PostgreSQL, MySQL, BeautifulSoup, Scrapy, Kubernetes, Apache Kafka, PyCharm IDE, Jupyter IDE, IntelliJ IDE

**Operating Systems:** Windows, Linux, Mac

Work Experience

- **Gateway Solutions Inc.**  
**Client: London Stock Exchange**  
CONSULTANT - SENIOR PYTHON DEVELOPER  
*Tools/Technologies used: Python, PyTest, Flask, AWS - S3, Lambda, SAM, Git, PostgreSQL*
    - Building an automated exclusion system and exposing a REST API to process and exclude entities from index funds if their revenue is generated from fraudulent categories; deploying the system on Lambda and setting up a schedule to retrieve updated entities and their revenue streams on a weekly or monthly basis.
  - **Client: T-Mobile**  
CONSULTANT - SENIOR DATA ENGINEER  
*Tools/Technologies used: Python, AWS, Git, SQL Server, Snowflake, Airflow, Docker*
    - Migrated on-premise SQL Server to AWS RDS for transactional processing, and Snowflake for data warehousing with Snowpipe.
    - Migrated Airflow 1.0 to 2.0 for its improved scalability, security, and efficiency in executing DAGs.
  - **DraftKings**  
DATA ENGINEER  
*Tools/Technologies used: Python, Airflow, Terraform, Snowflake, Docker, AWS, Jira, Bitbucket, Git*
    - Built the foundational code base from the ground up in Python and Snowflake to create an in-house data validation tool between upstream and downstream data sources.
    - Added new features and options to DAGs and services using Airflow 2.0 to improve monitoring and encourage a cleaner code base.
    - Extensively worked with Terraform and Airflow to create S3 buckets and the required computing resources to populate Snowflake tables with real-time third-party gaming data.
  - **Amazon.com Inc.**  
SOFTWARE DEVELOPMENT ENGINEER  
*Tools/Technologies used: Java, AngularJS, S3, DynamoDB, RDS*
    - Developed full-stack internal tools to reduce the existing manual workload and take 95% less time to launch changes to production.
    - Impacted about 2.3 million product titles across the Amazon catalog by resolving high severity configuration issue.
    - Collaborated with cross-functional teams to build a scoring system for product titles required for precision measurement of the in-house tagging system.
    - Tracked service deployment times and migrated pipelines to Full CD without the need for manual approval workflows, in turn reducing about 75% of the overall deployment time to production.
    - Actively worked on operational duties, performed code reviews and testing, created design/SOP documentations, participated in mentoring.
  - **HopinTown**  
DATA ANALYST  
*Tools/Technologies used: Python, MySQL, Google Analytics, Tableau*
    - Boosted the customer acquisition rate by 30% through finding key performance indicators via Facebook and Twitter social media analytics to tailor the offers and services provided to the customers.
    - Built customizable dashboards for reporting, prototyped about 10 new features and improved customer sales by 42%.

**Fort Mill, SC**  
Jun 2023 - Present

**Remote, USA**  
Jul 2022 - Jun 2023

**Remote, USA**  
Sep 2021 - May 2022

**Seattle, WA, USA**  
Aug 2019 - Apr 2021

**Mumbai, India**  
Nov 2014 - Jun 2017

Key Project

- **Revenue Predictor ( Python, Plotly, Scikit-learn, Flask )**  
Deployed a machine learning model which combines Logistic Regression and Stochastic Gradient Descent Regressor trained on customer data with 98% null entries to predict the revenue generated by a customer.

**Received a gold medal badge at Rutgers**