

SULEMAAN FAROOQ

shf46@rutgers.edu | (917) 4565697 | Edison, NJ | sulemaanfarooq.com

EDUCATION

Rutgers University - New Brunswick

Jan 2021 – May 2024

B.A. in Computer Science and B.A. in Data Science

GPA: 3.4

- Coursework: Data Structures, Databases, Data Management, Discrete Structures II, Architecture, Software Engineering

WORK EXPERIENCE

Verizon - Data Science Intern | Bedminster, NJ

Aug 2023 – Dec 2023

- Leveraged Google Apps Script to automate summary tables for all 5G upgrades in the Tri-state region resulting in accurate cell tower upgrades across 4 states
- Streamlined a pandas data science solution to automate the generation of five daily morning reports for Verizon Tri-State leadership and 50 engineers, reducing manual work by 25 hours per week
- Developed a one-stop guide web app for 500 Verizon engineers which reduced repeated inquiries by 80%

Ford Motor - Software Engineer Intern | Dearborn, MI

May 2023 – Aug 2023

- Engineered fullstack Java Spring Boot API and UI button that streamlined Ford credit risk policies merging by 95%
- Deployed software updates for the Ford Global Lending Service Analysis App (GLAS) through Jenkins, which established a version control system leading to 80% reduction in production server breakdowns
- Incorporated Ford Language Model (LLM) to develop Terraform code in order to provision GLAS resources on GCP

Answering Service Care - Software Engineer Intern | Margate, FL

Sep 2022 – Dec 2022

- Fixed a bug that determines if a credit card is Amex, Visa or Master leading to 100% correct Paypal transactions
- Prepared a predictive data model for sudden CPU spikes in containers and virtual machines, reducing cloud costs by 25%
- Accelerated DevOps with Datadog monitors that send alerts to the team slack channel if Amazon EC2 hosts count exceeds 12, and if cluster CPU utilization exceeds 70%, saving \$4000 per month

AlphaROC - Data Engineer Intern | Summit, NJ

May 2022 – Aug 2022

- Spearheaded the development of firm website leading to 30% more sales ([link](#))
- Connected a Django database to Amazon Simple Storage Service (Amazon S3) for data backup and recovery
- Engineered a data science model that predicts 8000 emails in 5 minutes with 95% accuracy in the CRM of 50,000 rows

PROJECTS

Artificial Intelligence Resume App | (Python Django, GCP, OpenAI API, SQL, HTML, CSS, JavaScript)

- Devised a Django app where user entered data is prompted to ChatGBT using OpenAI API to generate 20+ resume points
- Evaluated top 12 resume points from 20+ using sentiment analysis and natural language processing and generated a document using GCP Google Doc API in less than 30 seconds ([link](#))

Algorithmic Trading Bot | (Python Flask, HTML, CSS, JavaScript, IEX API, SQL)

- Orchestrated Python app in the Flask framework that allows users to buy and sell 2500 different stocks
- Leveraged IEX API so stock prices are updated in real time saving traders hundreds of hours per week ([link](#))

Personality Survey App | (Python, Django, SQL, PayPal API, HTML, CSS, JavaScript)

- Created a Django app where a 60 question survey is used to generate free and paid personalized personality reports with custom links for affiliate marketing integrated with coupon codes and PayPal payments leading to 100% monetization
- Revamped app from AWS to PythonAnywhere resulting in saving \$22 per month in cloud hosting costs ([link](#))

Machine learning - Handwritten digits | (Python, Pandas, Numpy)

- Unsupervised k-means clustering to convert 100000 handwritten numbers to text digits with 0.1 error
- Designed k-means with: random centers; k-means plus centers; and matrix forms with loss function for evaluation

Donald Trump Tweets | (Python, Pandas, Numpy, PCA, NPL)

- Analyzed distribution of tweets by hour of day and common devices using Twitter API and 10 Pyplot visualizations
- Trained principal component analysis (PCA) to generate heatmaps, revealing phrases like "Make America Great Again"

SKILLS

- Languages: R, Java, Python, C, HTML, CSS, JavaScript, React, Ruby
- Technologies: Linux, Git, MYSQL, SQLite, NoSQL, AWS, Django, Flask, Spring Boot Pythonanywhere, Heroku, GCP
- Leadership : Rutgers Orientation leader, Data Science E-board