

Tony Arkaysia

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Summary

Experienced data professional adept in Python, SQL, ETL, and data modeling. Proficient in PostgreSQL, Amazon Web Services (AWS), MongoDB, and skilled in machine learning using R and R Studio. Familiar with PySpark for data processing, JavaScript and HTML/CSS for web development, and adept in data visualization tools such as Tableau. Seeking opportunities in data engineering, automation, and backend development roles.

Projects

Solar Panel Potential Energy

Role: Machine Learning Developer

Repository: <https://github.com/jpburgess/Solar-Panel-Potential-Energy>

A group project and research study on the potential of energy generated from solar panels. Developed a machine learning model to predict energy output using weather features.

Tools and Languages: Python, Pandas, NumPy, PGAdmin PostgreSQL, SQLAlchemy, SQL, Seaborn, Matplotlib, SKLearn, TensorFlow, Tableau, JavaScript/CSS

Neural Network Charity Machine Learning Model

Repository: https://github.com/rainmannyc/Neural_Network_Charity_Analysis

Created a binary classifier model predicting applicant success for funding (Alphabet Soup).

Tools and Languages: Python, Pandas, Matplotlib, TensorFlow, SKLearn

Mecha Car Statistical Analysis

Repository: https://github.com/rainmannyc/MechaCar_Statistical_Analysis

Built linear regression model to analyze MPG factors across lots; tested manufacturing differences.

Tools and Languages: R, R Studio, Tidyverse

Kaggle and Wiki Movies ETL

Repository: <https://github.com/rainmannyc/Movies-ETL>

Created ETL pipeline to extract, transform, and load Kaggle/Wiki movie datasets into PostgreSQL.

Cleaned data with functions and regex, loaded via SQLAlchemy.

Tools and Languages: Python, Pandas, Numpy, SQLAlchemy, Psycopg2, RE, PostgreSQL

Experience

Mira Sushi — General Manager (Jul 2019 – Jan 2021, Queens, NY)

- Led a team of 15–20 individuals performing daily operations.
- Analyzed P&L; reports; implemented marketing strategies raising profits by 10%.
- Restructured operations based on new business patterns.
- Launched three new virtual kitchens during pandemic, recovering 20% of lost profit.

Kimoto Rooftop Lounge — Manager (Jul 2019 – Oct 2019, Brooklyn, NY)

- Oversaw a team of 20–30 including servers, bartenders, hosts.
- Coordinated weekly events with planners, kitchen staff, and team for 100+ guests.

MVStore Inc. — General Manager (Jul 2011 – Jan 2016, Queens, NY)

- Guided a team of 20–25 employees.
- Researched products and negotiated with distributors.
- Launched marketing strategies and promotions on website.
- Maintained backend of Volusion eCommerce platform.
- Created code of conduct, work standards, and procedures boosting productivity 20%.

Education

Data Analytics Certificate: Columbia Engineering, New York, NY — 24 week intensive program covering Excel, VBA, Python, R, JavaScript, SQL, Tableau, Big Data, and Machine Learning.