Trayvon Banks

Dallas, Tx 75287 | 214-893-2571 | traybanks96@gmail.com | https://github.com/TrayBanks

Data Anlyst | Data Scientist | Business Intelligence Analyst | Database Administrator

QUALIFICATION SUMMARY

- Data analyst with experience in SQL, Python, and R with a strong focus on data visualization, predictive modeling, and machine learning.
- Demonstrated problem-solving, communication, and leadership skills through successful completion of projects in both academic and professional settings.
- Graduated with a Bachelor of Science in Computer Science.

KEY SKILLS

✔ Data Analysis	✔ Technical Proficiency	✔ Data Visualization
✔ Natural Language Processing	✔ Documentation	✔ Troubleshooting
✔ Communication	✔ Leadership	✔ Teamwork

RELEVANT PROFESSIONAL EXPERIENCE

Technology Co-op / Data Analyst Jr.   Jan. 2021 - Aug. 2021
American Airlines   Fort Worth, Tx
Reliability and maintenance department, where the department assisted in the day to day routine of airplane flight coordination.

- Created and maintained documentation of SQL, R, and Python scripts for the Technical Operations department, resulting in a 20% improvement in troubleshooting resolution time.
- Utilized SQL, R, and Python skills to analyze and identify data issues, providing real-time solutions for the Technical Operations department.
- Documented databases and scripts, resulting in an enhanced understanding of data, and improved troubleshooting processes for the Technical Operations(Tech-Ops) department.

Technology Co-op / Data Analyst Jr.   Jan. 2020 - Aug. 2020
American Airlines   Fort Worth, Tx
Reliability and maintenance department, where the department assisted in the day to day routine of airplane flight coordination.

- Co-developed Long Short-Term Memory (LSTM) Machine Learning multi-classification model utilizing Natural Language Processing (NLP) method to identify ATA Classification codes from mechanics maintenance text log descriptions, resulting in savings of approximately $90,000/year.
- Improved data entry job efficiency within Tech-Ops by 50% through the use of the LSTM Machine Learning model.
- Employed Natural Language Processing (NLP) techniques to analyze and interpret unstructured data from mechanics maintenance text logs to improve efficiency and cost savings for Tech-Ops and American Airlines.

ADDITIONAL EXPERIENCE / PROJECTS

Data Exploration
- Developed a C++ program to read data from a file, calculate and print statistics such as mean, median, maximum, and minimum, covariance and correlation.

Regression Linear Model
- The code is for an R Markdown notebook that performs linear regression analysis on a dataset of housing prices. The notebook includes instructions to create headings, an explanation of linear regression and its strengths and weaknesses, data exploration using R functions and graphs, building and comparing simple linear regression models, and predicting and evaluating test data using metrics such as correlation and MSE.

Classification Linear Model
- Created an Rmd notebook named Regression, divided data into train/test, explored data using 5 functions, built and compared multiple linear regression models to predict median house value and evaluated on test data using correlation and mean squared error.

Python ML Sklearn
- Experienced in data exploration and machine learning using Python's pandas, seaborn, and scikit-learn libraries to analyze automobile data and build classification models such as Logistic Regression, Decision Trees, and Neural Networks with high accuracy scores. Skilled in interpreting performance metrics and identifying model strengths and weaknesses to optimize model performance.

EDUCATION

Computer Science, Bachelors   May 2023
Universtiy of Texas at Dallas   Richardson, Tx