

Suleman Ahmed

sules.ahmed@gmail.com | (646)-286-6728 | www.linkedin.com/in/suleman-ahmed-098 | https://king-sules.github.io/Sules_Portfolio/

PROFESSIONAL EXPERIENCE

Accenture Federal Services

Washington, DC

Data Scientist

September 2022 - Present

- Develop and implement neural networks with NLP techniques, by utilizing transformers to analyze large complex client datasets, resulting in 30% increase in predictive accuracy and a 40% reduction in data processing time.
- Support the creation of RFI responses, proposing innovative Generative AI solutions using LLMs and RAG to accelerate manual patent examination processes.
- Collaborate with clients to identify business requirements and communicate technical solutions using Agile frameworks, resulting in 20% increase in delivery efficiency and consistent positive client satisfaction.
- Utilize various analytics methods, such as Adobe Analytics and GA4, to provide informative traffic insights to stakeholders.

TradeStation

Miami, FL

Data Engineer Intern

June 2022-August 2022

- Leveraged Spark and SQL to identify trends and patterns in the quality of data, resulting in a 30% reduction in defects.
- Designed and executed unit tests using Python on data pipelines to validate transformations and ensure integrity resulting in 20% increase in data accuracy.
- Optimized ETL jobs and MLOps using MLflow, by administering performance tuning techniques, ensuring 15% reduction in job execution time.
- Overhauled data mapping processes within the enterprise's Databricks' Lakehouse medallion architecture, ensuring comprehensive documentation and providing stakeholders with clear visibility into data lineage.

The Boeing Company

Miami, FL

Quality Engineering Intern

June 2021 – August 2021

- Coordinated with quality engineers in reducing paperwork defects to less than 5% and promoting conformance of materials.
- Re-engineered documentation on crucial quality performance indicators for products sold to more than 100 companies.
- Conducted data analysis, using logistic regression models, to examine, validate, and influence manufacturing processes taken place in the facility, increasing the efficacy of products by 5%.

RESEARCH AND PROJECTS

Graduate Project: Machine Learning Techniques in Additive Manufacturing

- Explored different AI methods to enhance the creation and optimization of 3D builds across various materials.
- Compared parametric and nonparametric models to identify optimal build parameters like temperature and time.
- Utilized tuning techniques, such as feature engineering, regularization and performance measures to validate models.

TECHNICAL SKILLS

Tools: Python, Rstudio, PostgreSQL, MATLAB, C++, Linux, AWS, Azure, Databricks, LaTeX, MLflow, Flask, Docker, Git, Microsoft Office.

Packages: NumPy, Pandas, Matplotlib, Scikit-learn, Spark, Keras, Pytorch, Jupyter Notebook, hugging face, OpenAI.

Machine Learning: Random Forest, Linear/Logistic Regression, Neural Networks, Generative AI (LLMs), supervised/unsupervised learning.

Certifications: Google Analytics (GA4), Azure Fundamentals, Azure Data Science Associate.

EDUCATION

- **University of Miami**

Masters of Science in Mechanical Engineering

Coral Gables, FL

May 2022

- **The City University of New York, Queens College**

Bachelors of Arts in Applied Physics | Bachelors of Science in Quantitative Economics

Flushing, NY

December 2019