

# Suleman Ahmed

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## PROFESSIONAL EXPERIENCE

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### Accenture Federal Services

Washington, DC

GenAI Engineer

September 2024 - Present

- Develop end-to-end automated solutions integrating UiPath and OCR pipelines for document entity extraction, reducing manual processing time by 40% and streamlining client digitization.
- Support RFI responses by proposing innovative Generative AI solutions leveraging Gemini LLMs and RAG architectures to accelerate document understanding for federal clients.
- Design and deploy custom AI agents, leveraging LangGraph orchestration, integrating with Salesforce API to automate task creation, reducing client operations workload by 30%.
- Engineer Python scripts to generate synthetic test datasets, enabling comprehensive testing of DocAI's capabilities on 200+ document variations.

### Accenture Federal Services

Washington, DC

Data Scientist

September 2022 - September 2024

- Collaborated with federal clients to define requirements, delivering technical solutions with 100% client satisfaction.
- Developed and implemented neural networks with NLP techniques, by harnessing transformers and feature engineering to analyze large client datasets, resulting in a 30% increase in predictive accuracy and a 40% reduction in data processing time.
- Optimized ETL jobs and MLOps by administering performance strategies, ensuring 50% reduction in job execution time.

### TradeStation

Miami, FL

Data Engineer Intern

June 2022 - August 2022

- Designed and executed unit tests using Python on data pipelines to validate transformations and ensure integrity, resulting in a 20% increase in data accuracy.
- Overhauled data mapping processes within the enterprise's Databricks' Lakehouse architecture, ensuring comprehensive documentation and providing stakeholders with clear visibility into data lineage.
- Leveraged Spark and SQL to identify trends and patterns in the quality of data, resulting in a 30% reduction in defects.

### 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 taking place in the facility, increasing the efficacy of products by 5%.

## TECHNICAL SKILLS

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**Tools & Platforms:** Python, RStudio, SQL, MATLAB, C++, AWS, Azure, GCP, Databricks, MLflow, Docker, Git/GitHub, LaTeX, GA4, Adobe Analytics, Microsoft Office

**Packages & Frameworks:** NumPy, Pandas, Matplotlib, Plotly, Scikit-learn, Spark, TensorFlow, Keras, PyTorch, XGBoost, SciPy, Hugging Face, LangChain, LangGraph, Dspy, LlamaIndex, GPT, FAISS (Vector Databases)

**Machine Learning & AI:** Feature Engineering, Ensemble Learning, Neural Networks, NLP, Transformers, RAG Pipelines, Time Series Forecasting, Generative AI, Regression, Supervised/Unsupervised Learning, Model Explainability

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

## EDUCATION

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### University of Miami

Coral Gables, FL

Master of Science in Mechanical Engineering

May 2022

### The City University of New York, Queens College

Flushing, NY

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

December 2019