AYOTUNDE EJIKO

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TECHNICAL SKILLS

Programming / Query Languages: Python (pandas, numpy, scikit-learn), SQL, R
Data & Visualization Tools: Tableau, Excel (PivotTables, VLOOKUP, XLOOKUP, Power Query)
Databases: PostgreSQL, MySQL, relational databases
Analytics & Statistical Techniques: Data cleaning, EDA, regression, clustering, time-series analysis, hypothesis testing
Tools / Workflow: Git, Jupyter Notebooks
Languages: English, Yoruba, French, Mandarin, Spanish

EDUCATION

Cornell University, Ithaca, NY
Bachelor of Arts in Information Science and Economics Expected May 2028
GPA: 3.92 / 4.00
Relevant Coursework: Data Science, Machine Learning, Statistics, Econometrics, Database Systems

EXPERIENCE

Education Data and Innovation Intern
DC Public Schools, Washington, DC May 2025 – August 2025

- Analyzed 30,000+ survey records using Python (pandas, numpy) to identify equity and belonging gaps across district schools
- Built interactive Tableau dashboards visualizing attendance trends, climate metrics, and early warning indicators for 200+ schools
- Conducted statistical analysis using Python and Excel to compare performance metrics across demographic groups and schools
- Automated data pipeline processes that reduced manual reporting time by 40% for district analytics team

Data and Insights Intern
Tyler Technologies, Washington, DC June 2023 – August 2023

- Queried SQL databases to extract client usage data and identify deprecation impacts across 50+ government clients
- Built Excel dashboards with PivotTables and VLOOKUP to track software migration status and client engagement metrics
- Analyzed user feedback data to identify pain points and recommend feature improvements for product team

Cybersecurity Project Intern
Virginia Tech College of Engineering, Falls Church, VA June 2024 – August 2024

- Evaluated cybersecurity program effectiveness across K-12 districts using qualitative and quantitative assessment methods
- Analyzed certification pathway data to identify curriculum gaps and recommend program optimization strategies
- Documented technical findings in reports for stakeholders, translating complex security concepts into actionable insights

PROJECTS

Crime and Policing Data Analysis

- Analyzed arrest datasets from NYC, DC, and LA (2020–2024) containing 500,000+ records using Python (pandas, matplotlib)
- Built regression and clustering models using scikit-learn to examine socioeconomic and spatial factors in arrest patterns
- Performed time-series analysis to identify temporal trends and evaluate policy intervention impacts on arrest rates

Student Performance Analytics Dashboard

- Cleaned and transformed 10,000+ student records using Python to prepare data for analysis and visualization
- Built Tableau dashboard visualizing GPA trends, course enrollment patterns, and demographic breakdowns by major
- Identified correlation between course load and academic performance using regression analysis in R

SQL Database Design and Analysis

- Designed and implemented relational database schema in PostgreSQL for tracking organizational membership data
- Wrote complex SQL queries using JOINs, subqueries, and window functions to extract insights from multi-table datasets
- Automated weekly reporting by creating SQL views and stored procedures that reduced manual query time by 60%

LEADERSHIP & HONORS

- Capital One Case Competition – First Place
- National Merit Scholarship Semifinalist
- Boeing STEM Scholar
- AFCEA Scholar