Aly Hussein

| Phone: (706) 459-9586 | E-Mail: alyhussein2001@gmail.com |

EDUCATION

Kennesaw State University, January 2022 – May 2025   Kennesaw, GA
Bachelor of Science in Computer Science
GPA: 3.6
Relevant Courses: Database Systems, Algorithm Analysis, Discrete math, Applied statistics and data analysis, Big data analytics, Information Retrieval, Regression Analysis, Machine learning, Python for Data science

Dalton State University, Fall 2019-December 2021   Dalton, GA
Associate's degree in Computer Science
GPA: 3.8
Relevant Courses: Programming 1 and 2, Data Structures, Calculus 1 and 2

SKILLS

Technical Skills: SQL, Microsoft Excel, Python, DAX, Tableau, PowerBI, Microsoft Access, RStudio, PowerPoint, Git
Languages: English, Arabic, Spanish

WORK EXPERIENCE

Mohawk Industries, *Finance Analyst*   Calhoun, GA | September 2025 – Current
- Utilized Power BI, Excel, and SAP to identify, investigate, and resolve missing or delayed invoices, ensuring data accuracy and timely financial processing.
- Analyzed invoice data through custom Power BI dashboards, tracking trends and root causes behind missing invoices to improve workflow efficiency.
- Collaborated cross-functionally with finance and operations teams to streamline invoice management processes, enhance reporting accuracy, and reduce processing delays.

Oldcastle Infrastructure, *Product Master Analyst*   Remote | March 2025- September 2025
- Managed and maintained master data integrity in ERP and key systems, ensuring accuracy, completeness, and compliance with company policies.
- Performed data cleaning and quality control by updating product item codes, resolving data gaps, and standardizing processes to improve efficiency.
- Collaborated with cross-functional teams including Product Management, IT, and Sales to support data governance, streamline workflows, and enhance product information management.

First Energy, *Data Analyst Intern*   Remote | May 2024– December 2024
- Conducted in-depth analysis of public contact cases to strengthen safety protocols.
- Collaborated with the public safety team to identify trends and improve response strategies.
- Created DAX-powered Power BI dashboards to drive data-backed community safety decisions.

PROJECT EXPERIENCE

Airline Review Data Analysis
- Analyzed airline review data using Python and Jupyter Notebooks, extracting insights into customer satisfaction and service quality.
- Visualized customer rating trends with charts (bar, scatter, pie, line) to show factors like seat comfort and staff service.
- Analyzed how factors like food quality and Wi-Fi impact customer ratings to guide passenger experience improvements.

Employee Management Database
- Developed a SQL employee management database with tables for personal and departmental information.
- Ensured data integrity and normalization using primary and foreign keys to minimize redundancy.
- Formulated SQL queries to retrieve and analyze employee data, utilized SQL JOIN operations, to extract meaningful insights.

Personal Website: https://alyhussein2001.github.io/AlyHussein.github.io/