

# Aly Hussein

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## EDUCATION

**Kennesaw State University**, January 2022 – December 2024

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

**Dalton State University**, Fall 2019-December 2021

Dalton, GA

*Associates Degree in Computer Science*

**GPA:** 3.8

**Relevant Courses:** Programming 1 and 2, Data Structures, Calculus 1 and 2, probability and coding in R

## SKILLS

**Technical Skills:** SQL, Microsoft Excel, Python, Tableau, Microsoft Access, RStudio, PowerPoint, PowerBI, Git, Java

**Languages:** English and Arabic

## WORK EXPERIENCE

**Sherwin Williams**, *Store Associate*

Marietta, GA | Nov. 2022– Jan. 2024

- Achieved excellent customer service, while consistently meeting the store's sales goals.
- Analyzed historical sales data to develop demand forecasting models to optimize inventory levels.
- Take care of customer orders regarding special paint tints or store provided colors.

**Generalized Robotics**, *Web Design Intern*

Kennesaw, GA | May. 2023 – August. 2023

- Collaborate in the development and maintenance of web page layouts and user interfaces using HTML and CSS.
- Participate in code reviews and gain experience with version control systems like Git.
- Help maintain and update content on websites, ensuring consistency and accuracy.

## PROJECT EXPERIENCE

**Unicorn Club Data Analysis**

- Utilized thousands of lines of financial data to create visual representations of information regarding businesses that hit at least 1 billion dollars in revenue.
- Used pivot tables and cleaned dataset using Microsoft Excel for more effective and easier analysis/readability.
- Imported csv files onto Tableau to make clean representations of data.

**Forbes Magazine 2022 Data Analysis**

- Analyzed the top 2000 organizations according to Forbes Magazine with attributes such as year founded, revenue, profits, and assets.
- Created a dashboard using Tableau for better readability and for potential stakeholders who want to analyze the data.
- Found trends based on the industry locations and the types of industries based on the data.
- Cleaned the data set for better readability and easier analysis.

**Shoe Store Database**

- Created a database using Microsoft SQL server for a Shoe store, defining tables for shoe information, customer data, and order information.
- Populated SQL table with values for each attribute based on research.
- Created forms and reports in Microsoft Access for business users.

**Employee Management Database**

- Developed a comprehensive SQL database for an employee management system, defining tables to store employee information such as personal information and department affiliations.
- 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/>