ALISHA MINJ

Baltimore, MD 21250| [443-864-1991|alisham2@umbc.edu](mailto:443-864-1991%7Calisham2@umbc.edu)

# EDUCATION

University of Maryland Baltimore County (UMBC) Baltimore, MD

**Master of Professional Studies: Data Science; GPA: 3.88** Expected: Dec 2023

SRM University Chennai, India

**Bachelor of Technology Computer Science; GPA: 3.23** May 2019

# SKILLS

**Database Management**: MySQL, SQL, Oracle DBMS

**Programming**: C, C++, Python, PHP

**Operating Systems**: Microsoft Windows, MAC

**Foreign Languages**: Hindi (fluent), German (beginner)

# PROJECTS

## MPG Fuel Project (Intro to Data Analysis) Dec 2022

* Developed a predictive regression model to predict a vehicle’s Miles Per Gallon and analyze the influence of different variables on fuel efficiency. Gained insights into how MPG is affected by different fuel types, the average MPG for each fuel type, and the fuel type with the highest average MPG.
* Collaborated with a team of two members to build the model and compared the results to choose the best model. Utilized Scikit-learn, Pandas, NumPy packages for data cleaning, data manipulation, and model development. The results showed that diesel fuel had the highest average MPG of all fuel types.

## Moving towards Renewable Energy (Stats & Visualization) May 2022

* Developed an interactive dashboard for World Development Indicators (WDI) using Python and Plotly to visualize the trends in world economic development and discover meaningful trends, insights, and correlations in global development patterns.
* Analyzed data sets of 10 countries, including various indicators from 2010 – 2021, containing electricity production in percentage, consumption of gaseous fuel, and production from natural gas, coal, oil source, and over time growth in renewable sources.
* Created interactive line charts, bar charts, and bubble plots by using Pandas and Matplotlib to compare indicators across countries and to observe patterns in their development in Google Colab.

## Prices Analysis for Car Models (Intro to Data Science) May 2022

* Performed exploratory data analysis on two datasets production, manufacturing of automobiles, and factors affecting the price of a car from a car dealership. This second dataset was collected from an online auction for used car data, including product and manufacturer.
* Analyzed the data to identify trends and patterns and to understand the impact of various factors on sales. Identified the most profitable product categories and understood customer buying behavior in Jupyter Notebook.

# INTERNSHIP EXPERIENCE

**Bhilai Steel Plant, Technical Intern** May 2018 – Jul 2018

* Managed records using DBMS and worked closely with the Assistant General Manager in the Sales and management department and to determine the best database management system to maintain the records.
* Completed performance testing behaviors in Enterprise resource planning. Created an efficient process to communicate outstanding deliverables to be completed by departments.
* Provided technical support for various departments in integrating networking and information systems. Developed and deployed solutions to improve the efficiency and effectiveness of business processes.