Ayaan Omair

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EDUCATION

Master of Science, Data Science **December 2025**
Texas A&M University, College Station, TX

Bachelors, Mathematics (Statistics); Psychology minor **August 2020 - May 2024**
Arizona State University**,** Tempe, AZ 3.90 GPA *(summa cum lade)*

TECHNICAL SKILLS

Proficient Languages:

- **Python, MySQL PostgreSQL**, **R**, SAS, Java, Linux, JavaScript, HTML, CSS, Bash, MATLAB

Developmental Tools:

- **Excel**, LaTeX, Jupyter, Alteryx**, Tableau**, **Pandas, Sklearn**, NumPy, PowerPoint, Word

Relevant Coursework:

- **Data Mining and Analysis**, Object-Oriented Programming, and data structures, Applied Linear Regression, Mathematical Statistics, Scientific Computing, **Data Wrangling with SQL, Data Analysis with Python, Exploring Data in R/Python**

RELEVANT EXPERIENCE

SQL and Python Trainee - Global Tech Experience **May 2023- July 2023**

- Used ***SQL*** queries to extract and analyze different datasets
- Analyzed and visualized data findings using Jupyter Notebook and ***Python***
- Gained knowledge of global business strategies by performing exploratory data analysis, data visualizations, and data cleaning
- Collaborated with a global team to perform different tasks using SQL and Python
- Gained experience using Python and SQL by creating various personal and professional projects

PROJECTS

Traffic Collisions in California Analysis **June 2023**

- Conducted data analysis using ***SQL*** to determine the leading causes of accidents in the State of California while using real-time data from the California Highway Patrol's Statewide Integrated Traffic Records System (SWITRS)
- Visualized and communicated the results using ***Tableau*** to portray a trend in the data regarding which time of day was responsible for the most collisions and how many accidents were caused by inattention (texting while driving) versus the number of accidents caused by intoxication (DUI)

Grammy Awards Project **July 2023**

- Utilized ***Python*** to perform data analysis and visualization of real website data used by the Recording Academy
- Examined the impact of splitting up a website into two separate websites (grammy.com and recordingacademy.com) by analyzing different variables (number of visitors per day, average session time, user interaction)
- Analyzed the data for a better understanding of the different trends and audience behavior on both sites

Prediction Model for team wins (MLB) **Spring 2023**

- Utilized ***SAS*** to create the best 2-variable and 3-variable regression model to predict the number of wins for the Toronto Blue Jays
- The best two-variable model to predict the number of team wins included the number of hits and the batting average as the independent variables
- The best three-variable model to predict the number of wins for the Toronto Blue Jays included the number of hits, batting average, and RBI as the independent variables

PROFESSIONAL EXPERIENCE

Sports Data Operator *(Part-time)* **May 2023 –** *Present*
SportRadar

- Watch major sporting events and record events in real-time using a mobile app for statistic gathering.
- Attend live sporting events
- Remain knowledgeable of the rules of the sport and the teams/players involved

SC Del Sol Research Project **January 2024 - May 2024**
Internship (Internship Credit Course)

- Developed a player dashboard using Excel and Python to assist ASU youth soccer program coaches navigate player data effectively.
- Utilized Excel to design and create a user-friendly dashboard interface for coaches, providing comprehensive player insights and statistics.
- Employed Python to clean and preprocess raw data, ensuring accuracy and readability within the Excel dashboard.
- Collaborated with ASU youth soccer program staff to understand coaching needs and tailor the dashboard to meet program requirements.