

Ahmir Postell

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Portfolio: <https://ahmirpostell.com>

Summary

Master of Science in Business Analytics (MSBA) student with a Bachelor's in Computer Science and Data Science. Proficient in data manipulation and analysis using Python and R, with a solid grasp of machine learning techniques. Experienced in working with SQL and NoSQL databases, and skilled in web development with React.js and Angular. Strong problem-solving abilities and effective communication skills, eager to leverage expertise to drive impactful results and gain valuable experience.

Education & Certificates

Google Advanced Data Analytics by Google on Coursera

Certificate earned August 31, 2024

William and Mary

Masters of Science, Business Analytics

Expected Feb. 2026

Williamsburg, Virginia

William and Mary

Bachelor of Science, Double Major - Computer Science & Data Science

Sep. 2020 - May 2024

Williamsburg, Virginia

Relevant Coursework:

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|------------------------|-----------------------------|-------------------------------|
| * Algorithms | * Statistical Data Analysis | * Databases |
| * Operating Systems | * Applied Machine Learning | * Natural Language Processing |
| * Software Development | * Data Visualization | * Applied Data Analytics in R |

Technical Skills

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|----------------|----------------|--------------------|--------------|--------------------|
| • Python | • R | • Azure SQL Server | • JavaScript | • Angular |
| • Pandas | • dplyr | • NoSQL | • TypeScript | |
| • Matplotlib | • ggplot2 | • NLP Techniques | • HTML | • Microsoft Office |
| • Scikit-learn | • Web Scraping | • PyVis | • CSS | |
| • Tableau | • SQL | • Java | • React | • C++ |

Projects

Note Taking + Storage Website | React, JavaScript, HTML, CSS, Azure SQL Server

- Markdown note taking site that stores and fetches saved notes from SQL server.
- Designed and developed SQL database on Azure's SQL Server.
- Implemented frontend api calls and real-time markdown rendering with React
- Developed hierarchical organization structure with search to filter content

WM Gymnastics Performance Visualization | Python, R, PostgreSQL, Tableau, Streamlit

- Extraction and Visualization of William and Mary's D1 Men's Gymnastics team's scores from 2020 to 2024.
- Designed PostgreSQL database and prepared extracted data using Python.
- Team performance visualized with Tableau and displayed through Streamlit.
- Rendered 35 individual performance reports using R/Rmarkdown for data manipulation and visualizations.

Fast Food Nutrition Exploratory Analysis | R, dplyr, tidyverse, rvest, ggplot2

- Explored and compared nutrition offered through fast food near the William and Mary college campus.
- Web scraped nutrition content for items offered at 12 popular Fast Food restaurant chains.
- Calculated relevant summary statistics to aide in analysis and visualizations.

AskHuberman NLP Analysis | Python, Spacy, NLTK

- Performed ETL and Analysed overall performance, interaction patterns, and sentiment analysis on neuroscientist Dr. Andrew Huberman's YouTube channel, AskHuberman.
- Web scraped used YouTube API retrieve relevant data.
- Conducted Natural Language Processing topic analysis and created 11 publication-ready visualizations.

Data Engineering for Movie Director Analysis | Python, Selenium

- Managed and analyzed IMDB data on directors to explore correlations and patterns with gender and ethnicity.
- Implemented fault-tolerant extraction function to ensure reliable data retrieval and processing.
- Organized, formatted, and compiled key data to create individual JSONL files with uniform format for further analysis.
- Collaborated with a team to identify errors in scraped content, enhance formatting, and uphold data quality standards.

The Witcher Exploratory Analysis | Python, Spacy, NetworkX, PyVis

- Implemented data pipeline to conduct relationship analysis between characters in the Sword of Destiny of The Witcher series.
- Web scraped book transcript using Python's Selenium library.
- Utilized NLP to extract character relationships from textual data.
- Visualized relationships and character popularity to examine correlations.

Additional Achievements

- Competed as an NCAA Division I Collegiate Gymnast from 2020 to 2022.