**Margaret Afua Quansah**

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**GitHub:** [*https://github.com/nanaaefua*](https://github.com/nanaaefua)| **Portfolio:**

**Summary**

Multidisciplinary determined Data Analyst with background knowledge in mathematics, healthcare administration, and pharmacy.  Trained at the University of Vanderbilt’s data analytics boot camp where I recently graduated and earned a certificate as a Data Analyst. Passionate in condensing large data into a simple understanding story and effectively breaking down concepts in layman's terms to diverse audiences. Skilled in database usage, coding languages, and architectural visualization comprising independent and group research to develop, implement, prioritize expectations, and communicate effectively to arrive at a decisive result with a cleaned dataset.

**Technical Skills**

**Languages:** Python, JavaScript, R

**Tools:** Flask, HTML, JavaScript, Tableau, AWS, Big Data, Postgres, and Machine Learning

**Databases:** SQL Database, SQLite, MongoDB

**Libraries:** Pandas, JSON, sqlalchemy, config, Pathlib, Matplotlib, sklearn, TensorFlow, NumPy

**Projects**

**Netflix |**[<https://github.com/amar0623/Netflix>

* The project analyzed Netflix data from movies being streamed in the US as of July 2022. The objective was to find the "best" traits of a movie, which proved IMDB score, age certifications, genres, runtimes, actors, and directors are ingredients for the best movies. The machine learning model predicted a score of 8.5 and above with 99% accuracy

* I created a database, designed the website, and linked it to other live servers like GitHub, tableau, LinkedIn, and Heroku.

* Python, HTML, ERD, SQL tableau. collab and machine learning

**Plotly & Belly Button Biodiversity** |<https://github.com/nanaaefua/Plotly_deployment>

* The project explains the relationship between data analytics and visualization to communicate data findings. Plotly which is a JavaScript data visualization library is used to offer interactivity that increases audience comprehension. Retrieved data externally through API calls.

* Create basic plots with Plotly, including bar charts, line charts, and pie charts.Use D3.json() to fetch external data, such as CSV files and web APIs, Parse data in JSON format, Used JavaScript's Math library to manipulate numbers.

* Pandas, Matplotlib, JavaScript, API

**Used Statistics & R to Boost Data Science Repertoire**|h[ttps://github.com/nanaaefua/MechaCar](https://github.com/nanaaefua/MechaCar)

* Apply statistics and hypothesis testing to analyze a series of datasets from the automotive industry. Analysis dataset through visualizations, statistical tests, and interpret the results which were written in R programming language.

* Extract, transform, and load (ETL) data; visualize the data; and analyze the data using R*.*  A variety of statistical tests, real-world application in data science, and implementation in R. Implement and evaluate the one-sample t-Tests, two-sample t-Tests, and analysis of variance (ANOVA) models for a given dataset.

* Tidyverse in R, Python, ggplot2, ETL in R

**PyBer with Matplotlib |**<https://github.com/nanaaefua/PyBer_Analysis>

* Used Matplotlib to create line charts, bar charts, scatter plots, bubble charts, pie charts, and box-and-whisker plots, and make them visually compelling and informative by adding titles, axes labels, legends, and custom colors. Perform mathematical calculations on Series and DataFrames scientific computing in Python.

* Determined mean, median, and mode using Pandas, NumPy, SciPy, statistics, created visualizations using Matplotlib, JavaScript's Math library to manipulate numbers, and deploy an interactive chart to GitHub Pages.

* SciPy, a statistical Python package, and NumPy

**Experience**

**Data Entry Specialist           09/21 – 05/2022    Divvy-MED LLC                                                           Remote, TN.**

Input scripts from all over the country,submit documentation for customer follow-ups, corrected medication errors, created clarification tickets created reenter medications, and assisted on special projects.

**Volunteer               04/21 – 09/2021**

**Internal Medicine Associates         Smyrna, TN.**

Interviewed applicants and hired newly qualified staff members that contributed to company success.  Utilized strong multitasking skills and excellent problem-solving skills to ensure 100% customer satisfaction. Promoted a healthy work environment for all employees by overseeing and mentoring internal office relationships. Coordinated and conducted performance reviews and operations to guarantee best-effort results.

**Certified Pharmacy Technician** 02/16- 03/2021 **Walmart Pharmacy** Nashville, TN**.** Worked to promote an error-free and productive Pharmacy department. Verified prescriptions before fulfilling orders. Reviewed prescriptions and maintained accurate patient records. Remained up to date about new medications and field advancements

**Education**

**Data Analytics Boot Camp Certificate:**

**Vanderbilt University,** **Nashville, T**N

A 24-week intensive program focused on gaining technical programming skills in Excel, VBA, Python, R, JavaScript, SQL Databases, Tableau, Big Data, and Machine Learning. Emphasis on projects which challenges to be competent in written analysis, problem-solving analytically and visualization, and team collaboration in project production

**Bachelor of Science in Healthcare Administration**:

**Purdue University Global**   **West Lafayette, IN**

Graduated with Summa Cum Laude honors in December 2020 with a GPA of 4.00.

**Associate of Degree in Health Science & Academic Certificate AA/AS General Education Core:**

**Nashville State Community College                                Nashville, TN**

Graduated in May 2016 with, a GPA of 3.40. Participated in science research in biology and chemistry projects

**Certified Pharmacy Technician:**

**Tennessee Technology Center of Nashville Nashville, TN**

Graduated with Summa Cum Laude honors in June 2005 with a GPA of 3.99.