PEACE GWACHAT SAMUEL

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CAREER OBJECTIVE

First-Class Accounting graduate with professional certification and advanced data analytics expertise in Python, SQL, and Power BI. Seeking to leverage a dual competency in financial principles and data-driven analysis to optimize financial strategy, ensure regulatory compliance, and deliver actionable business intelligence in a forward-thinking corporate role.

EDUCATION

Federal University Gashua   **Nov 2019 - Dec 2024**
Bachelor of Science, Accounting

PROJECTS

The Effect of Taxation on Business Decision
- Conducted a case study on Value Added Services to assess how taxation policies influence corporate decision-making.
- Analyzed the company's tax records, financial reports, and investment patterns to identify correlations between tax obligations and strategic business choices.
- Applied accounting principles to evaluate the impact of tax laws on profitability, operational costs, and long-term planning.
- Provided actionable recommendations on optimizing tax strategy for business growth and compliance.

Mean-Variance-Standard Deviation Calculator
- Developed a Python function to compute six statistical metrics — mean, variance, standard deviation, max, min, and sum — from a 3x3 matrix using NumPy.
- Implemented axis-based computations (row-wise, column-wise, and flattened) and structured the results in a Python dictionary for programmatic access.
- Included robust input validation to raise a Value Error for incorrect input length, improving program reliability.

Demographic Data Analyzer
- Used Python and pandas to analyze U.S. Census data, calculating key socio-economic statistics like race distribution, average age, and income brackets.
- Applied conditional filtering and group-based operations to identify income disparities linked to education and working hours.
- Identified the most common occupations for high-income earners in specific countries, validating results with unit tests.

Medical Data Visualizer
- Analyzed medical data to explore cardiovascular disease links with health factors, engineering features like BMI and normalized risk indicators.
- Cleaned data by filtering outliers and restructured the dataset for categorical visualization using pandas.melt() and seaborn.catplot().
- Created a correlation heatmap to uncover relationships among medical features, providing clear visual insight into cardiovascular risk factors.

Page View Time Series Visualizer
- Cleaned time-series page view data by removing outlier values and created a line plot to illustrate daily traffic trends over a multi-year period.
- Developed bar charts and box plots (year-wise and month-wise) to visualize average monthly engagement and seasonal activity patterns.
- Demonstrated advanced use of pandas and visualization libraries for multi-angle time series analysis and clear visual storytelling.

Sea Level Predictor
- Analyzed historical sea level data with pandas and visualized trends using matplotlib scatter plots.
- Applied linear regression to model long-term trends and built a predictive model to forecast sea level rise through 2050.
- Plotted separate lines of best fit to compare general historical trends with recent acceleration, effectively communicating the urgency of climate data.

TECHNICAL SKILLS

- **Data Analysis & Programming:** Python (NumPy, Pandas, Matplotlib, Seaborn, SciPy), Statistical Analysis (Regression, Descriptive Statistics), Data Wrangling & Cleaning, Data Modeling, Time-Series Analysis, Unit Testing
- **Data Visualization & Business Intelligence:** Tableau, Power BI, Excel (Advanced Formulas, PivotTables, Dashboards), Matplotlib, Seaborn, Visual Storytelling, Dashboard Creation
- **Databases & Data Management:** PostgreSQL, SQL Querying, Data Aggregation, Data Structuring, Data Validation
- **Accounting & Financial Analysis:** Financial Reporting, Tax Strategy & Compliance, Profitability Analysis, Cost Analysis, Long-term Business Planning, Accounting Principles (GAAP/IFRS knowledge implied)

COURSES AND CERTIFICATION

- **Data Analysis with Python**: FreeCodeCamp 2025