Eugene Fotsing

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Profile

Emerging **Data Scientist** with strong academic and hands-on experience in **data modeling**, **NLP**, **data visualization**, and **machine learning**. Proficient in transforming **structured and unstructured data** into actionable insights using Python, SQL, and Excel. Skilled at developing data pipelines, building dynamic dashboards, and implementing data mining techniques to support mission-driven outcomes. Passionate about applying analytics to support federal government operations in finance, logistics, engineering, and infrastructure domains.

Technical Competencies

Languages & Tools — Python (pandas, NumPy, scikit-learn), SQL, PL/SQL, Excel, Tableau, Anaconda, Git

Data Science Techniques — Natural Language Processing (NLP), Data Mining, Predictive Modeling, EDA, Clustering

Machine Learning — Logistic & Linear Regression, k-Means, Decision Trees, Forecasting, Model Evaluation

Visualization & Reporting — Seaborn, Matplotlib, Tableau Dashboards, Excel Charts, Report Automation

Data Processing — Feature Engineering, Imputation, Data Wrangling, Structured/Unstructured Data Analysis

Soft Skills — Communication, Technical Writing, Team Collaboration, Analytical Reasoning

Education

Bachelor of Science in Computer Technology, *Bowie State University* 08/2023 – 05/2025
Concentration: Data Science & Database Administration Bowie, MD
Relevant Courses:

- Expert Systems Using Big Data
- Symbolic Computing & Discrete Structures
- Database Administration
- Applications of Data Structures

Projects

Loan Eligibility Prediction Using Machine Learning, *Python, Scikit-learn* 03/2025

- Developed a **regression model** to predict loan approval using the **FICO dataset**
- Processed and cleaned data with **40% missing values** using imputation techniques
- Engineered relevant features to improve model accuracy and explainability

Housing Market Disparity Analysis, *Excel, Python, Public Datasets* 10/2024

- Conducted data mining and trend analysis on **ACS PUMS datasets (2017 & 2022)**
- Identified housing affordability gaps across demographic groups using **visual storytelling**
- Presented interactive reports for socio-economic planning use cases

Languages

- English
- French
- Spanish