



NOBLE ESELASE VULLEY

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Summary

Dedicated and results-driven person with a diverse skill set encompassing data science, machine learning, Java software development, and database administration and development. I am a computer science graduate and holds a professional certification in database technology use database management system such Oracle, AWS, SQL Server. Seeking a challenging role in a dynamic organization where I can leverage my expertise to drive data-driven decisions, develop cutting-edge software solutions, and optimize database systems. I am committed to continuously enhancing my skills and contributing to the success of the team and the organization. I have a strong hold in writing core java program. I aim to leverage my skills to solve complex business challenges, contribute to product innovation, and play a pivotal role in driving organizational success. Analytical and detail-oriented Data Analyst with a strong background in data science, statistical analysis, and database management. Seeking to leverage my expertise in Python, SQL, and data visualization to provide actionable insights and support data-driven decision-making in a forward-thinking organization. Committed to continuous improvement and contributing to organizational success.

Education and Training

Bachelor of Science: Computer Science University of Ghana Legon	08/2023
Advanced Professional in Database Technology : IPMC Accra – Ghana	03/2023

Skills

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| <ul style="list-style-type: none">• Java• Spring Boot• Database Mangement• Typescript• Python• Matlab•Laravel | <ul style="list-style-type: none">• PL/SQL• Machine Learning• Data Analysis• C#• Docker• Query Management |
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Experience

RESEARCH ASSISTANT University of Ghana, Legon Accra, Ghana	09/2022 - Current
<ul style="list-style-type: none">• Conducted comprehensive data analysis using Excel and Python, applying advanced statistical techniques and visualization tools to derive actionable insights for academic research projects (Can not be disclosed).• Compiled and meticulously cleaned large datasets, employing robust data validation and preprocessing methods to ensure data integrity and consistency (Can not be disclosed).• Collaborated on the composition of research papers and crafted professional presentations for academic conferences, aiding in the effective communication of research outcomes.• Designed and generated impactful visualizations and conducted rigorous statistical analyses to substantiate research findings, facilitating a deeper understanding of the data.	
Software Developer Techtides Innovations Accra, Ghana	11/2023 - 06/2025

- Developed spring boot backend for a mobile application (Cannot be disclosed).
- Developed spring boot backend for a web applications (Cannot be disclosed).
- Hosted the backend on digital ocean.
- Managed and administered the database for the applications.

Languages

English: First Language

Project

- Payment Voucher System
- Payroll Management
- Employee Management System
- Personal Finance Management System
- School Management System
- Patient Tracker App
- Designed the Microservice Architecture.
- Brain Tumor Classification using deep residual networks and ensemble learning.
- Ensemble Learning for Traffic Light Classification.
- Predictive Modeling Based on wine and vertebral column dataset using Decision Tree.
- K-Means and Hierarchical Clustering based on the wine dataset.

Detailed Tasks Assigned on Consultant's Team of Experts

Designing data pipelines across systems like the Payroll Management System and Payment Voucher modules to aggregate, clean, and normalize large volumes of transactional and HR data. Monitor and optimize system performance.

Analyzing payroll, finance, and employee datasets to detect anomalies, track patterns, and build dashboards or models that support forecasting (e.g., budget projections, payroll trend analysis). Ensure scalable and maintainable code architecture.

Collaborating with software engineers to embed intelligent logic into the backend—for example, triggering alerts on unusual payroll fluctuations or predicting future salary distributions based on historical patterns.

Using SQL and PL/SQL extensively for querying complex datasets, and **applying statistical techniques and visualizations** to help stakeholders understand operational performance.

Reference to Prior Work / That Best Illustrate

- In the **Payroll Management System**, I worked with raw employee and salary data to build models that forecasted pay distributions and flagged inconsistencies—an essential ERP capability in HR and Finance modules.

CERTIFICATES:

Spring Security: <https://www.udemy.com/certificate/UC-439c9ca2-f9f4-4dbb-897d-8a8032a2ce2d/>

Spring Microservices with Spring Cloud: <https://www.udemy.com/certificate/UC-24c86d45-30d4-49b7-a127-62bbfba8748f/>

BSc Computer Science: Available on request.

Advanced Professional in Database Technology: Available on request.

References:

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