FRANCOISE **ELIS MBAZOA OKALA**

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Summary

Motivated and detail-oriented software engineer and data analyst with a strong academic background and hands-on experience in developing efficient software solutions and analyzing large datasets. Proficient in Python, Java, SQL, and Tableau, with practical exposure to machine learning, data pipelines, and cloud technologies. Proven ability to collaborate in teams, continuously learn, and apply technical skills to solve complex problems. Eager to contribute to innovative projects and grow in a dynamic entry-level role in software engineering or data analysis.

Skills

- Programming Languages: Python, SQL, JavaScript, R
- Databases: MySQL, PostgreSQL, MongoDB, SQLite
- Big Data & Cloud Tools: Apache Hadoop, Apache Spark, Kafka, AWS, GCP
- Data Analysis & Visualization: Tableau, D3.js, Seaborn, Matplotlib, Pandas
- Machine Learning: TensorFlow, scikit-learn
- ETL & Data Pipelines: Expertise in designing and implementing ETL pipelines
- Software development: HTML, css, JavaScript
- Data manipulation: Excel, VBA, Python
- Problem-Solving: Strong ability to troubleshoot complex issues
- Analytical Thinking: Excellent at interpreting data and identifying patterns
- Communication: Clear and concise communicator with technical information
- Team Collaboration: Experience working in cross-functional Agile teams
- Adaptability: Quick to learn and apply new technologies and processes
- Attention to Detail: Committed to delivering high-quality outcomes

Projects

1. Software Engineering Project

GitHub Link: https://github.com/okalis05/DATA-ENGINEERING-PROJECT.git

- Developed a software solution to handle data ingestion and processing pipelines for structured datasets.
- Implemented data validation and transformation logic to ensure data consistency and reliability throughout the pipeline.
- Collaborated with various tools and technologies for data management, including SQL for database integration and Python for backend processing.
- Tools used: Python, SQL, Apache Spark.

2. Machine Learning Election Prediction Model

GitHub Link: .https://github.com/okalis05/Project4.git

- Designed models to predict election outcomes with an initial accuracy of 60% using historical data.
- Developed a Keras-Tuner algorithm to optimize the model, improving accuracy to 70%.
- Tools used: scikit-learn, Python, PySpark, TensorFlow.

3. Stock Data Analysis and Visualization

GitHub Link: https://github.com/BezaAbebe/Stock_project_1.git

- Analyzed historical stock market data and created visualizations using Tableau to uncover trends and insights.
- Integrated multiple data sources and performed data cleaning to ensure data standardization for analysis.
- Tools used: Python.

4. ETL Workflows Project

Solo project / *Github Link:* https://github.com/okalis05/Crowdfunding_ETL.git

- Designed and implemented an ETL pipeline to extract, transform, and load data into a SQL database.
- Automated data extraction, performed data cleaning and transformation, and loaded the processed data into the database for analysis.
- Tools used: Python, SQLITE.

Education

Data Analytics Certificate **08/2024**
Georges Washington University

- Focused on data analysis techniques, machine learning, and big data management.

Certifications

- **CSS Basics Certificate** (EDX Learning Platform)
- **HTML5 and CSS Fundamentals Certificate** (EDX Learning Platform)
- **Data Literacy Foundations Certificate** (EDX Learning Platform)
- **Data Processing and Analysis with Excel Certificate** (EDX Learning Platform)
- **Data Representation and Visualization in Tableau Certificate** (EDX Learning Platform)

Profiles

- https://www.linkedin.com/in/francoise-mbazoa-okala-6b8244286/

Languages

English: First Language

French: C1

Advanced (C1)

Italian: B1

Intermediate (B1)

References

References available upon request.