EMMANUEL AKPANDARA

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PROFILE

Data-savvy Computer Science graduate specializing in data analysis and visualization. Proficient in Python, SQL, Power BI, and modern analytical tools. Passionate about turning data into actionable insights through dashboards, trend exploration, and statistical reasoning. Eager to contribute to innovative analytics projects and drive decisions through clear, data-driven storytelling.

EDUCATION

BSC APPLIED COMPUTER SCIENCE | JAN 2025 | THOMAS MORE UNIVERSITY OF APPLIED SCIENCES

INTENRSHIP EXPERIENCE

DATA SCIENCE INTERN | UMICORE OLEN | SEP 2024 – DEC 2024
· Cleaned and prepared large patent datasets for multilingual classification.
· Improved classification accuracy to **81%** by fine-tuning transformer models on domain-specific data.
· Used **MLflow** in **Azure Databricks** for clear experiment tracking and model comparison.
· Enhanced the **data processing pipeline** to ensure cleaner, more consistent text for downstream NLP analysis.

PROJECTS

AIRBNB LISTINGS INTELLIGENCE DASHBOARD | MAR 2025 – MAY 2025
· Built a 4-page interactive Power BI dashboard analyzing listings across Brussels, Ghent, and Antwerp
· Processed and unified city-level datasets using **Power Query**, modeled a clean star schema
· Embedded Python scripts for **review sentiment analysis** and **property performance scoring** (price-to rating ratio).
· Delivered actionable insights into host behavior, review trends, and pricing dynamics.

REAL-TIME-CRYPTO-MONITORING-SYSTEM | FEB 2025 – MAR 2025
Developed a real-time cryptocurrency monitoring pipeline, leveraging streaming technologies and cloud infrastructure for efficient data processing.
· **Data Streaming**: Acquired live exchange rates via Alpha Vantage API & streamed data using Apache Kafka.
· **Storage & Processing:** Stored historical data in Apache Cassandra for fast retrieval and future analytics.
· **Cloud Deployment:** Hosted on AWS EC2 (Ubuntu) for operation 24/7.
· **Automation:** Scheduled data ingestion every 30 minutes with APScheduler.

BOOK-SCRAPER-AIRFLOW | DEC 2024 – JAN 2025
· Built a web scraper to automate book data extraction from Bol.com, using Python**, BeautifulSoup, Apache Airflow** for data collection **Postgres** for storage.

- Automated and **structured data pipelines to extract, clean, and store book titles, authors, and prices**, ensuring structured and accurate data.
- Integrated **Docker** for environment consistency, scalability and deployment.

TECHNICAL SKILLS

- **Analysis & BI:** Power BI, Excel, Pandas, Seaborn, Matplotlib, DAX, Power Query, Data Modelling, LLM
- **Languages:** Python, SQL, Java, C#, PHP
- **Databases:** PostgreSQL, MySQL, Cassandra, MongoDB
- **Cloud & Tools:** Google Cloud Platform (GCP), AWS, Azure, Docker, Apache Airflow, Jupyter Notebook

SOFT SKILLS

- Effective Communication
- Analytical Thinking
- English – Fluent/Native
- Time Management
- Critical thinking and problem solving
- Dutch – A2, on going