BIRATE KABANZA ARTHUR

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PROFILE

Junior Data Analyst with a strong academic background in Applied Computer Science and hands on experience in data visualization, Business intelligence and Machine Learning. Skilled in Python, SQL, Microsoft Power BI, Grafana and Elasticsearch. Known for analytical thinking and proactive learning attitude. Passionate about turning data into actionable insights to support strategic decision making.

EDUCATION

Bachelor's in applied computer science | Thomas More, Geel, Belgium   June 2025
Bachelor's in petroleum engineering| Xian Shiyou University, Xian, China   June 2020

TECHNICAL SKILLS

Programming & Querying: Python | SQL
Data Visualization: Power BI | Grafana | Qlik Sense | Kibana
Data Tools & Platforms: Elasticsearch | Kibana | Docker
Machine Learning & AI: YOLO | SAHI | ResNet | VGG16 | OpenCV
Web Development: Django | Laravel | NET Core (C#)
Version Control: Git

WORK EXPERIENCE

DATA ANALYST INTERN | Van Genechten Packaging | Turnhout   February 2025 – May 2025

- Designed and developed real-time monitoring dashboards in Grafana using data from Elasticsearch to visualize metrics and logs across virtual machines.
- Used Logstash to process and forward data into Elasticsearch, ensuring accurate parsing of logs and metrics.
- Supported predictive maintenance efforts by implementing a machine learning-based anomaly detection job, helping to detect potential failures early and reduce maintenance costs.

PROJECTS

Superstores (Power BI): Sales , Profit & Shipping Analytics Dashboard

Description:

- Designed a complete reporting solution with 4 interactive dashboards for a fictional United state retail dataset.
- Built a snowflake data model including dimension tables for Product, Category, Subcategory, Segment, Ship Mode, City and State.
- Created KPIs Cards using DAX: Total Sales, Total Profits, Shipment Volume.

HR Data Analytics Project (Power BI) :

Description:

- Developed a multi-page Power BI dashboard analyzing HR data (attrition, compensation, tenure and satisfaction) using fact and dimension modeling.
- Enabled actionable HR insights by visualizing trends across job roles, departments improving decision making support.

Olympic Games Dashboard (Qlik Sense)
Description:

- Built an interactive dashboard analysing Olympic medal counts, country performance, event trends and Athlete performance .
- Applied data modelling and Scripting techniques to extract key insights.

VisiAge – Fall and Cough Detection System (Python, Machine Learning, AI) Description:

Description:

- Worked in a team of 4 where I Built a real-time system for cough detection using audio signal processing, integrated with fall detection models.

LANGUAGE

French   Advanced
English   Advanced