

# VINCENT G. MUKOMBA

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GitHub: <https://github.com/Vincemcomber>

Portfolio: <https://www.hyperiondev.com/portfolio/108166/>

## PROFESSIONAL SUMMARY

Data Analyst with a strong foundation in economics and hands-on experience in data analytics, data science, data wrangling, statistical analysis, and machine learning. Skilled in deriving actionable insights through data visualization and storytelling using Python, SQL, Tableau, and Power BI. Adept at building dashboards, performing exploratory data analysis (EDA), and implementing ETL pipelines. Passionate about leveraging data to improve business performance and inform strategic decisions. Permanent SA resident, open to relocation.

## TECHNICAL SKILLS

**Languages & Tools:** Python, R, SQL, Java, JavaScript

**Data Visualization:** Tableau, Power BI, Looker, Qlik, Matplotlib, Seaborn, Plotly

**Data Tools:** Jupyter Notebook, Visual Studio Code, Microsoft Excel

**Database Management:** MySQL, SQLite, SQL Server

**Cloud & Big Data:** Google Cloud Platform, BigQuery

**Analytics & AI:** EDA, A/B Testing, Regression, Clustering, PCA

**Other Skills:** ETL, KPI Reporting, Machine Learning, Data Warehousing

**Soft Skills:** Analytical thinking, Problem solving, Communication, Collaboration, Team management, Knowledge acquisition, Skills development, Continuous learning, Adaptable and flexible, Work under pressure and passionate about work

## PROFESSIONAL EXPERIENCE

### Data Analyst (Freelance)

HyperionDev – Cape Town, SA

Nov 2022 – May 2023

- Reduced computational overhead by 43% through analysis and optimization of production data processes.
- Performed statistical analyses to support internal business decisions and reporting.

- Developed and deployed interactive dashboards to track KPIs using Tableau and Power BI.
- Merged data from multiple sources via ETL processes, enhancing data accessibility and consistency.
- Created compelling data visualizations to communicate findings and support strategic initiatives.

### **Economics Tutor (Volunteer)**

Rhodes University – Grahamstown, SA

Feb 2013 – Dec 2015

- Improved academic performance of first-year and Grade 12 students through personalized tutoring and structured lesson plans.
- Designed review sessions and study materials to address student knowledge gaps.
- Enhanced engagement and comprehension using adaptive teaching methods.

## **EDUCATION**

### **Data Analyst to Data Scientist**

Optimi College – Cape Town, SA

Feb 2024 – Feb 2025

### **Data Science Bootcamp**

HyperionDev – Cape Town, SA

Nov 2022 - May 2023

### **Bachelor of Economics with Honours**

Rhodes University – Grahamstown, SA

Feb 2015 - Apr 2016

### **Bachelor of Economics**

Rhodes University – Grahamstown, SA

Feb 2012 - Apr 2015

## **CERTIFICATIONS**

- IBM Data Science Professional Certificate – Coursera, 2023
- Microsoft Azure Data Fundamentals – Microsoft, 2023
- HackerRank Problem Solving (Basic & Intermediate) – 2024
- Advanced Google Analytics – Google, 2023
- Excel for Data Analytics and Visualization – Coursera, 2023
- Business Analytics – Coursera, 2023
- Introduction to Data Science – Alison Education, 2023

# PROJECTS & ACHIEVEMENTS

## Data Analytics & Exploration

- **Hotel Booking Analysis:** Performed full EDA on hotel booking data using Pandas, Seaborn & Matplotlib.
- **Video Game Sales Analysis:** Conducted trend analysis and visualization for game sales dataset.

## Python Applications

- **Task Manager App:** Developed a CLI app to manage team tasks.
- **Inventory Management Tool:** Scripted a lightweight solution to manage product inventory for SMEs.

## Machine Learning

- **MNIST Classification:** Applied regression models and decision trees to predict digit classes.
- **US Arrests Clustering:** Executed PCA and used KMeans & Agglomerative Clustering for classification and visualization.

# REFERENCES

Available upon request.