



# SIPHOSETHU NYAWO

DATA ANALYST || BUSINESS ANALYST

## Address:

191 Spencer Rd, Palmiet, Durban, 4090  
(Willing to relocate)



## Phone:

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## My Portfolio Link

<https://siphoethun1.github.io/>



## LinkedIn

[www.linkedin.com/in/siphoethu-nyawo-8312b0257](https://www.linkedin.com/in/siphoethu-nyawo-8312b0257)

## EDUCATION



### Durban University of Technology

Advanced Diploma in ICT — 2024

Diploma in ICT in Business Analysis — 2020–2022



### Africa Learn College

Certificate: Azure Fundamentals — 2024



### Msiyane High School

Matric Certificate — 2019

### Other Certificates

- Supervised Machine Learning: Regression and Classification
- Microsoft Certified: Azure Fundamentals
- Introduction to Data Science
- Data Analytics Essentials
- Python Essentials 1
- Introduction to Internet of Thing

## SKILLS

- Data Collection and Integration
- SQL and Database Management
- Data Analysis and Interpretation
- Data Visualization, Power-BI, Excel & Python
- Data Pipeline Development
- Problem Solving and Decision Making
- Collaboration and Communication
- Attention to Detail and Accuracy
- Process Improvement

## PROFILE

Proficient in data collection, analysis, and reporting, skilled in utilizing tools such as SQL Server, Python, R, Power-BI, Power-HEDA, and Microsoft Power Automate to extract, analyze, and visualize data. Adept at designing and maintaining data collection systems, creating data pipelines, and administering data management systems. Strong ability to prepare and present insights to stakeholders and collaborate with teams to optimize data-driven decision-making processes. Proven expertise in improving data management workflows and contributing to the success of complex organizational projects.

Notice: Two Weeks

## EXPERIENCE

**Company:** CAPRISA **15 July 2024 - Present**

**Department:** Data management

**Position:** Intern

### CAPRISA Intern Duties

- Design, set up, and maintain study-specific data collection systems.
- Develop reports and visualizations tailored to research needs and stakeholders.
- Analyze data to uncover trends, patterns, and key insights.
- Create and maintain data pipelines to ensure efficient and secure data flow.
- Administer data management systems and troubleshoot technical issues.
- Identify and implement improvements in data management processes to enhance accuracy and efficiency.

**Company:** Durban University of Technology (DUT)

**Department:** Data Analytics and Data Sciences

**Position:** Intern

**Year:** Mar 2023 to Feb 2024

### DUT Intern Duties:

- Integrated data from SQL Server and ITS into Power-HEDA for executive dashboards.
- Automated recurring reports using Microsoft Power Automate, reducing manual work.
- Supported senior leaders with data insights, aiding strategic decision-making.
- Collaborated with database analyst to identify optimization opportunities in data pipelines.

### Academic Projects — 2024

#### Student Safety Monitoring System

**Institution:** Durban University of Technology (DUT)

#### Project Overview:

Collaborated in a team to design and develop a web-based system aimed at enhancing student safety by monitoring arrival and departure times, thereby addressing concerns related to student security and timely parental notifications.

#### Responsibilities:

- Conducted comprehensive requirements engineering, including elicitation, analysis, and documentation of functional and non-functional requirements.
- Developed UML diagrams (Use Case, Class, Activity) and Data Flow Diagrams to model system processes.
- Designed and implemented the database schema, establishing table relationships and ensuring data integrity.
- Created user interface designs for Admin, Parent, and School Authority modules, focusing on usability and accessibility.
- Managed project timelines using the Scrum methodology, maintaining product and sprint backlogs to track progress.

**Outcome:** Delivered a functional prototype that demonstrated the system's capability to enhance student safety through real-time monitoring and communication with parents.

## REFERENCES

- Johan van der Molen** – Head of Department & Database Analyst, CAPRISA  
Tel: 031 655 0739 / 074 294 6808
- Prabashnee Kisten** – Snr Information Analyst, DUT  
Tel: 031 373 5128 / 083 453 3214
- Mbongiseni Ndlove** – Former Database Analyst, DUT  
Tel: 073 164 3079