## SUMMARY

MKHULULI DAMA

### 14 Jungle walk Str, Langa, Cape Town ,7456 0647 486 974/ 083 593 8109 [damamkhululi@gmal.com](mailto:damamkhululi@gmal.com)

Determined, positive and committed mathematical science Graduate with 5 months of data analysis experience. I am also a dedicated individual who is goal -driven who is flexible, can work as a team and also have leadership skills. I also have the ability to work in any environment I adapt easily and I also meet physical demand of a job.

## EXPERIENCE

**GENERAL WORKER**, 01/2023 – 12/2023

* ***SNA Civil and structural Engineering***, Mthatha, South Africa
* Collecting requested samples from the road to be tested at the lab in the field section.
* Testing the road layers using Calibrated Troxler also known as Nuclear moisture.
* Doing CBR, Mod and their calculation Calculations for the samples also making Calculations of in Compaction section.
* Testing the compaction of the existing road/ layers using dynamic penetration test known as DCP.
* Doing Slump test with Cone height of 30 cm, bottom diameter 20 cm, top diameter 10 cm.
* Making cubes of 7 and 28 days after slump tests, in calibrated cube mold.
* Crushing the cubes of 7 days and 28 days and submitting the results.

**DATA ANALYST INTERN**, 06/2021 - 11/2021

***Cape Peninsula University of Technology***, (5 months) Given data of schools by WCED (2012-2019 data)

* Conducting data cleaning, data merging, data quality control and back-ups
* Create documentation for each data request or research project.
* Performing various data analyses using statistical programs (Microsoft Excel and R).
* Comparing quintiles of school and checking the regions of which schools are located on.
* Was using data for grade 3, 6 and 9 comparing certain things such as thinking and reasoning etc.
* Interpreting the findings and provide conclusions.
* Compiling PowerPoint slides and present findings to stakeholders. Attending regularly scheduled staff meetings and training sessions.

**CAPACITI LEARNESHIP,** 03 December 2024 -Present

***Demand capacity, Salt river , Cape Town***

* Introduction to data warehouse, data marts data lake.
* Build a chatbot to provide information about CAPACITI, including program overviews, available opportunities, application processes, and contact details.
* **No-Code Platforms**: Use tools like Landbot, Dialogflow, Tars, or ChatGPT Playground to design and build your chatbot.
* Designing Modeling implementing data warehouse
* Creating Data warehouse for waste management Company for the waste they collect across Cities with hundreds of trucks of different types to collect and transport solid waste.

## SKILLS

**SOFT SKILLS**

* Comprehensive knowledge of the basic software such as Microsoft office.
* Have a basic knowledge of Mat lab, python and R programming language.
* Working well within a team.
* Leadership and conflict management skills.

**TECHNICAL SKILLS**

* Programming skills (SQL,R and Python).
* Computer skills ((Microsoft office).
* Data analysis (MS Excel, R).
* Database.
* Data visualization
* Data management
* Business Analysis

# EDUCATION

**Cape Peninsula University of Technology***, Cape Town, 2022.*

***Diploma of Mathematical Sciences***: Mathematics and statistics. Year of Graduation 2022.

* + Mathematics.
  + Statistical sciences.
  + Operational research.
  + Statistical Quality Control.
  + Bioscience.
  + Chemistry.
  + Physics.
  + Programming (R and Python).
  + Communication Skills.
  + Mathematical Science Project.

# SHORT COURSE

Institution :**Earn and Excel**

June 2024.

* + Functions, range and shortcuts.
  + Formatting and Conditional Formatting.
  + Managing Data.
  + Charts.
  + Pivot Tables and Power Query and Dashboards.
  + Macros.
  + Intro to VBE and VBA

**ST Johns Collage*,*** *Mtata, 2017*

Grade 12/ Matric

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# INFORMATION

## REFERENCES

### Cape Peninsula University of Technology, Department of Maths and Physics

Occupation: HOD

Name: Dr. Thomas Farrar Cellphone Number: 084 859 6809 Email Adress: [farrart@cput.ac.za](mailto:farrart@cput.ac.za)

### SNA Civil And Structural Eng Pty L

Occupation: Manager Name: Collin Farmer

Cellphone Number: 076 269 9327 Email Address: [Collin.farmer@sgs.com](mailto:Collin.farmer@sgs.com)

**CAPACITI TDC’S**

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