

MKHULULI DAMA

14 Jungle walk STR, Langa, Cape Town, 7456

0647 486 974/ 083 593 8109 damamkhululi@gmail.com

ABOUT ME

I am a Mathematical Science graduate and a digital candidate at Capaciti with expertise in data analytics, Python programming, and SQL. Passionate about data analytics, I hold a Diploma in Mathematical Science along with a Data Analytics Certificate. My goal is to build a career in data analytics, specializing in cleaning, analyzing, and interpreting data to drive business decisions and identify emerging trends. I am committed to lifelong learning and continuously taking on new challenges to enhance my skills. My curiosity for data drives my passion for analytics, as I enjoy uncovering insights and discovering the stories that data has to tell..

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 Capaciti, Salt River, Cape Town

Chatbot project

- Building a chatbot to provide information about CAPACITI, including program overviews, available opportunities, application processes, and contact details for first time Applicant.
- **No-Code Platforms:** Use tools like Landbot, Dialogflow, Tars, IBM watson or ChatGPT Playground to design and build your chatbot.

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(Power BI)
- 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

Online: Earn and Excel

June 2024.

Course : Microsoft Excel

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

CAPACITI: COURSERA

DEC: 2024

COURSE: Data Fundamental for Business Enterprise

- Introduction to data warehouse, data marts Data Lake.
- Designing Modeling implementing data warehouse on SQL
- Doing Data warehouse Project for Waste Management Company for the waste they collect across Cities with hundreds of trucks of different types to collect and transport solid waste Using SQL.

ADDITIONAL driver's license Code C1
INFORMATION

REFERENCES

Cape Peninsula University of Technology, Department of Maths and Physics

Occupation: HOD

Name: Dr. Thomas Farrar

Cellphone Number: 084 859 6809

Email Address: 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

CAPACITI

TDC

Name: Omphile Rantswele

[Email:omphile.rantswele@capaciti.org.za](mailto:omphile.rantswele@capaciti.org.za)