

SINEKHAYA ADVOCATE GONTSANA

Computer Science And Statistics

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Profile

I am currently a graduate with a Bachelor of Science with a double major in Statistics and Computer Science at Walter Sisulu University. As a qualified statistician, I have a strong foundation in statistical analysis, data modeling, and data interpretation. I have developed an in-depth understanding of statistical methodologies and techniques, including hypothesis testing, linear and multivariable regression analysis, probability theory, and experimental design. In addition to my academic qualifications, I possess hands-on experience with various data analysis tools, including R and SQL, and I am proficient in using statistical software such as Android Studio and Linux Spreadsheets. My programming skills extend to languages such as C++, where I grasp the importance of Object Oriented Programming (OOP) and its major concepts, and Java, which improved my understanding of CRUD Applications. I have a solid grasp of core Computer Science principles, which allows me to contribute effectively to a wide range of technical projects. My expertise also spans web technologies (HTML, CSS, Bootstrap) and the Microsoft Web Stack (Spring Boot MVC), also introduced in Web API's in Software Engineering that also use Spring Boot MVC and Postman

Education

02/2017 – 12/2023
Mthatha, South Africa

Bachelor of Science In Computer Science and Statistics

Walter Sisulu University

- A comprehensive and interdisciplinary program that combines the theoretical foundations and practical applications of both Computer Science and Statistics.
- Proficiency in programming, algorithms, data structures, software development, and Database Management Systems.
- While also building strong Applied Statistics, Statistical Inferences, probability theory, Hypothesis Testing, Regression Analysis (Linear and Multivariable), Statistical Modeling, and Time Series Analysis.
- Applying a strong foundation in programming and statistics to build efficient data pipelines, analyze complex datasets, and support data-driven decision-making.
- Developed strong analytical and problem-solving skills through advanced mathematics courses, including calculus (Linear and Multivariable), linear algebra 1, real analysis 1, differential equations, numerical methods, and discrete mathematics.

Professional Experience

02/2025 – 08/2025
Braamfontein

Data Analyst Intern

Capaciti-UVU Africa

- Performed **data cleaning, transformation, and analysis** on large datasets, including **Kaggle datasets**.
- Conducted **exploratory data analysis (EDA)** and applied **statistical methods** to extract actionable insights.
- Developed **data visualizations and reports** to support decision-making.
- **Earned Data Analysis Certification** via Coursera (verified on Credly).

Skills

Java Programming Language

R-Code

HTML and CSS

Data Structures

Mathematics and Culculus

C++ programming Language

Excel Spreadsheets

Database Management

Computer Litracy

Certificates

- | | |
|---|---|
| • Coding Intro ↗ | • Coding Intro ↗ |
| • Artificial Intelligence Intro ↗ | • Cybersecurity Intro ↗ |
| • Cloud Database ↗ | • Data Science Fundamentals ↗ |
| • HTML and CSS ↗ | • Web Development ↗ |
| • API ↗ | • Cloud Computing V2 ↗ |
| • Git ↗ | • Java ↗ |
| • JavaScript ↗ | • Node.js V2 ↗ |
| • Express Web Framework V2 ↗ | • Data Analytics Essentials ↗ |

References

Dr L. Tinarwo, *Lecturer: In C++(OOP), Data Structure and Algorithms, Communication And Networks*,
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