PHATHUTSHEDZO TSHIKHOVHOKHOVHO

Computer Science Graduate | CS | BSc

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SUMMARY

Aspiring Data Analyst / Data Scientist and AI Engineer with a strong foundation in Computer Science, Statistics, and Applied Statistics. Experienced in data analysis, machine learning, and software development using Python, SQL, and modern analytics tools. Passionate about building data-driven solutions, automation systems, and predictive models that solve real-world problems.

EXPERIENCE & PROJECTS

University of Limpopo | 2021 – 2025

Data Analyst / AI Projects (Academic & Personal)

• Designed and developed a **wallet-based finance tracking application** to analyze user spending behavior and detect anomalies using Python and SQL.
• Implemented **statistical analysis and data visualization** to identify trends and potential fraud patterns.
• Built **machine learning models** for prediction and classification tasks as part of academic coursework.
• Applied regression, time series analysis, and sampling techniques to real-world datasets.

Personal

AI & Machine Learning Projects

• Developed a **facial recognition system** using machine learning and computer vision techniques for identity verification.
• Created a **real estate data analyzer** to evaluate property pricing trends using regression models and visualization tools.
• Built an **AI-powered Tic-Tac-Toe game** using the Minimax algorithm to demonstrate decision-making logic.
• Designed a **lottery data predictor** using probability theory and time series concepts to explore predictive modeling.

REFERENCE

1. Ms Mkhonza Sphesihle Thando (mentor)
   +27 76 679 1548 | futurefocusconsultants95@gmail.com

2. Dr Vekani Baloyi (Lecturer)
   015 268 4266/ +27 72 813 5708 | Vekani.baloyi@ul.ac.za

3. Mr Happy Maluleke (Head of Statistics department)
   0152682168 | happy.maluleke@ul.ac.za

TECH STACK

Python **Java** **Git** **Pandas** **R** **PostgreSQL**

MATLAB **MySQL** **Power BI**

NumPy **scikit-learn**

SAS programming **SPSS**

KEY ACCOMPLISHMENTS

Implemented and designed a machine learning system

• Implemented a **machine learning–based anomaly detection system** for financial transactions using Python and statistical analysis.
• Built multiple **end-to-end data projects**, from data collection and cleaning to modeling and visualization.
• **Applied statistics techniques** (regression, sampling theory, time series) to solve real analytical problems.

STRENGTHS

• Strong analytical and problem-solving skills with a data-driven mindset

• Hands-on experience with Python, SQL, machine learning, and analytics tools

• Disciplined, adaptable team player with leadership skills developed through competitive sports

• Strong analytical and problem-solving abilities.

• Detail-oriented with a data-driven mindset

• Motivated self-learner with a passion for emerging technologies.

EDUCATION

Computer Science University of Limpopo | 2025

Majors: Computer Science & Statistics
Relevant Coursework:
Applied Linear Regression, Sampling Theory, Time Series Analysis, Computer Networks, Operating Systems Design and Analysis of Experiments, Artificial Intelligence, Database Systems.