**LONWABO ZIKHALI**

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**LinkedIn:** [**Lonwabo Zikhali**](http://www.linkedin.com/in/lonwabo-zikhali-b38a74226)

**Location: Johannesburg, South Africa**

[LonwaboZikhali · GitHub](https://github.com/LonwaboZikhali)

An emerging Data Scientist with a dual academic foundation in Data Science and Software Engineering, underpinned by strong mathematical and programming skills. Experienced in developing data pipelines, building machine learning models, and deploying full-stack applications. Passionate about analytical problem-solving and contributing to high-performance, collaborative teams.

**UNIVERSITY OF THE WITWATERSRAND, JOHANNESBURG (2025 – present)**

Postgraduate Diploma in Data Science

Modules:

Programming for Data Scientists, Mathematical and Statistical Foundations of Data Science, Applied Machine Learning, Data Science in Practice

Electives:

Health Analytics, Applications of Machine Learning in Chemistry, Visualizing African Societies with Data, Social Media Analysis in and for the Global South, Spatio-Temporal Data Analysis

EMPLOYMENT:

**THE SOUTH AFRICAN BREWERIES (2023)**

Continuous Improvement Analyst (2023)

Responsibilities:

* Captured and processed operational data for efficiency tracking
* Built interactive dashboards using Microsoft Power BI to visualize KPIs
* Mapped end-to-end business processes and identified optimization opportunities
* Automated repetitive workflows and build internal-use bots to improve team productivity
* Supported business units with real-time reporting, data cleansing and validation
* Tracked project timelines, managed meeting records and ensured follow-through

**THE SOUTH AFRICAN BREWERIES (2024)**

People Business Services Analyst (2024)

Responsibilities:

* Generated and analysed employee data reports for internal use and strategic planning
* Designed and distributed internal communications campaigns and external media
* Coordinated and managed employee development projects from planning to execution
* Supported recruitment and onboarding of new trainees across business units
* Issued long-service recognition certificates, managing stakeholder approvals and design
* Used project management tools to align HR deliverables with company timelines

VOLUNTEERING:

**INDEPENDENT ELECTORAL COMMISSION (2024)**

Electoral Officer (29 May, 2024)

Processed and validated data of over 500 voters, maintaining compliance and accuracy

Coordinated logistics, data entry and crowd management under high pressure conditions

EDUCATION:

**WETHINKCODE\_ JOHANNESBURG (2024 – date)**

Occupational Certificate: Software Engineering (NQF6)

Core focus:

* The Software Development Lifecycle
* Java and Python Programming
* Web Development
* Frontend and Backend Development
* Object Oriented Programming
* Software Quality Assurance
* Systems Integration

**FNB APP ACADEMY (2025)**

Full Stack Development: Certificate

**UNIVERSITY OF THE WITWATERSRAND, DIGITAL CAMPUS (2024)**

Digital Transformation Lifecycle: Certificate of Competence

**UNIVERSITY OF THE WITWATERSRAND, JOHANNESBURG (2020 – 2022)**

BHSc (Biomedical Science)

Majors:

Human Biology & Medical Cell Biology

**GERMISTON HIGH SCHOOL, GERMISTON (2014 – 2018)**

Highest Grade Passed: Grade 12

Subjects:

English Home Language (72%), Afrikaans First Additional Language (78%), Mathematics (71%), Life Science (72%), Physical Science (77%), History (71%), Life Orientation (60%)

LANGUAGES:

English (Home Language), IsiZulu (Fluent), Setswana (Home language), Afrikaans (Intermediate)

SKILLS:

**Languages and Frameworks:** Python, Java, Bash, SQL, HTML/CSS, JavaScript, React.js

**Data and ML tools:** Scikit-Learn, Pytorch, TensorFlow, Apache Spark, Power BI, Tableau, Jupyter, Google Colab, GeoDataScience, Contextily

**Devops and Infrastructure:** Docker, Github, Gitlab, Microsoft Azure, VSCode, IntelliJ, Linux, Oracle Cloud

**Data & Reporting:** SQL, Power BI, API integration (REST), SSRS, Data pipeline development, R, Quantum GIS, RDBMS database management

**Core Competencies:** Statistical Analysis, Agile development, Test-driven Development, Collaborative Software Projects, Object Relational Mapping

REFEREES:

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