

# SICELWESIHLE MYEZA

+27 621 62 8387

sicelwesihlemyeza@gmail.com

LinkedIn

GitHub

Personal Website

## Education

### University of the Witwatersrand

Bachelor of Science in Computer Science

Johannesburg, Gauteng

Jan 2020 – Dec 2024

- Majors: Computer Science and Computer Applications.
- Relevant Coursework: Database Fundamentals; Machine Learning; Software Design; Operating Systems & Systems Programming; Advanced Analysis of Algorithms; Computer Graphics and Visualization; Parallel Computing & Computer Networks.

## Experience

### Data Analyst Intern

University of the Witwatersrand

Braamfontein, Gauteng

Apr 2024 – Nov 2024

- Collected, cleaned, and transformed research and operational data sets using Python (Pandas, NumPy) and SQL, ensuring data accuracy and reliability.
- Designed and deployed Power BI dashboards to track key performance indicators.
- Collaborated on an Agile/Scrum team, presenting findings during Sprint Reviews

### Technical Lab Assistant

University of the Witwatersrand Mathematical Sciences Lab

Braamfontein, Gauteng

Mar 2022 – Nov 2023

- Provided exceptional technical support to academic staff members, resolving complex issues, and ensuring seamless operations.
- Coordinated remote software installations for 200+ computers.
- Optimized technical workflows to improve lab efficiency and performance.

## Technical Skills

- **Programming Languages:** Python, SQL, C++.
- **Frameworks & Libraries:** NumPy, Pandas, Matplotlib, Seaborn, BeautifulSoup, Requests
- **Databases:** Oracle, MySQL, SQL Server, PostgreSQL
- **Tools Platforms:** Git, GitHub, IBM Cognos Analytics, Power BI, Tableau, Microsoft Excel

## Projects

### In-Demand Developer Skills Analysis

- Executed an end to end data analysis project by programmatically collecting data from multiple sources using Python (web scraping with BeautifulSoup and API integration with `requests`).
- Performed comprehensive data wrangling with Pandas, including duplicate handling, missing value imputation, and data normalization.
- Conducted in-depth Exploratory Data Analysis (EDA) and created preliminary visualizations using Matplotlib and Seaborn to validate data and discover insights.

- Designed and built a professional, interactive dashboard to visually present key findings on technology trends and developer demographics, showcasing the ability to transform data into a clear, compelling narrative.

### **COVID-19 Data Analysis and Visualization**

- Explored and analyzed a large COVID-19 dataset using advanced SQL techniques, including joins, CTEs, and window functions, to derive key metrics and insights.
- Demonstrated proficiency in data manipulation and preparation, transforming raw data into a structured format suitable for business intelligence applications.
- Developed interactive dashboards and visualizations in Tableau to effectively present global and continental COVID-19 trends, showcasing the ability to translate data into a clear narrative.

### **Netflix Data Analysis with SQL**

- Conducted a comprehensive analysis of Netflix's movie and TV show dataset using advanced SQL queries to extract valuable business insights.
- Addressed specific business questions by analyzing the distribution of content, identifying the highest ratings, and exploring trends by release year, country, and duration.
- Demonstrated expertise in data exploration and SQL based analysis to provide a foundation for data driven decision making.

## **Certifications**

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- IBM Data Science Professional Certificate
- IBM Data Analytics Professional Certificate