SICELWESIHLE MYEZA

1 +27 621 62 8387

sicelwesihlemyeza@gmail.com







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

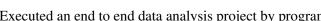
- Provided exceptional technical support to academic staff members, resolving complex issues, and ensuring seamless operations.
- Coordinated remote software installations for 200+ computers.
- Optimized technical workflows to improve lab efficiency and performance.

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 \bigcirc

- 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

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