

NOLUTHANDO MKHIZE

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EDUCATION

IIE Rosebank College, Johannesburg, Gp Expected Grad July 2025

Bachelor of Information Technology in Business Systems

Relevant Coursework: Databases, Business Analysis 3B, Programming 1A, System Analysis and Design, IT Project Management, Information Systems Strategy, Business Information systems, Quantitative Techniques, Information Risk Management, Programming Logic and Design.

IIE Rosebank College, Johannesburg, Gp

February 2020 - December 2020

Higher Certificate in Information Technology in Support Services

SKILLS

Technical Skills: Python, Java, SQL, HTML/CSS, MongoDB, Excel, Tableau.

Soft Skills: Analytical Thinking, Verbal and Written Communication, Presentation Skills, Problem-solving, Leadership, Teamwork and collaboration, Adaptability & Curiosity, Detail-Oriented and Attention to Detail.

CERTIFICATIONS

Coursera

March 2024

Google Advanced Data Analytics Certificate

Core Skills: Data Analysis, Python, Statistical Analysis, Tableau, Exploratory Data Analysis (EDA), Predictive Modeling, Regression Models, Data Science

PROJECTS

School Project

July 2024 – November 2024

Business Analyst Intern Project: Operational Analysis for Soul City Institute (NGO)

- Conducted interviews with 8 key stakeholders across IT, HR, Finance, and Media to document business process requirements, uncovering 5 major inefficiencies.
- Analyzed employee satisfaction surveys in Excel, deriving insights that revealed a need for improved interdepartmental communication and system usage effectiveness.
- Developed a SWOT analysis that highlighted 2 strategic opportunities and 3 operational challenges, informing leadership's approach to organizational improvements.
- Proposed 3 targeted process automation solutions, aimed at enhancing reporting accuracy and reducing manual data entry by an estimated 20%. Presented findings to aid in strategic decision-making.

Personal Projects

March 2024

COVID-19: A Global Data Exploration

- Leveraged SQL to analyze a COVID-19 dataset from WHO, covering over 200 countries and spanning 4 years, to extract insights on infection and mortality patterns.
- Conducted SQL-based analysis to identify global infection hotspots, evaluate mortality rates, and correlate pandemic impact with demographic and healthcare factors across 50+ countries.
- Designed and optimized complex SQL queries, including filtering, aggregation, and joins, for efficient analysis of large-scale COVID-19 data.

Portfolio Website

- Developed a personal website to showcase projects and GitHub repositories using HTML, CSS, Bootstrap, and JavaScript.
- Utilized GitHub for version control and VS Code for debugging to streamline updates, ensuring consistent project presentation on the website.
- Integrated GitHub repositories to showcase hands-on technical projects, providing direct access for recruiters to assess coding and analytical skills.