

NONHLANHLA MAZIBUKO

Data Science Graduate

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Summary

Data Science graduate with a strong foundation in mathematics, Data Science tools such as Python, Power BI, and machine learning frameworks, with a keen interest in leveraging technology to drive impactful insights and solutions. Enthusiastic about collaborating in a dynamic, innovation-driven environment to contribute to data governance, automation strategies, and urban transformation initiatives. Eager to apply predictive modeling expertise and support research projects to make a meaningful social impact through data-driven decision-making.

SKILLS

Software Development: React • CSS • Docker • Git • NodeJS • ExpressJS • FastAPI • HTML • Tailwind • MySQL

Databases: MongoDB • MySQL • PostgreSQL • Snowflake

Data Science: Python • R • Dplyr • Scikit-Learn • Airflow • Kafka • NLP • PySpark • PyTorch • MS PowerBI

Others: Git • Github • Docker • PostMan • Scrum

Soft Skills: Collaborative Teamwork • Problem-solving • Communication • Mathematical reasoning

Projects

E-Commerce website	Online
Collaborated with a team to build the back-end logic for an e-commerce web application. Focused on developing key functionalities such as user authentication, product management, and order processing. Improved transaction security and efficiency to increase user satisfaction and retention.	
Task manager Application	Online
Developed a full-stack Task Manager application enabling users to create, update, filter, and delete tasks through an intuitive dashboard with calendar integration and weekly AI-generated reports.	
Movie Project	Online
Developed an interactive movie application using a comprehensive API to design a responsive user interface with distinct pages to enhance user experience. Collaborated with a team to design and implement a component-based architecture, enhancing user engagement through dynamic data interaction.	
Student Performance PowerBI Dashboard	Johannesburg, South Africa
Created an interactive Power BI dashboard to analyze and visualize student performance metrics. Utilized DAX functions for advanced calculations and implemented filters and drill-through features to uncover actionable insights.	

Education

University of the Witwatersrand	Johannesburg, South Africa
Postgraduate Diploma in Data Science	12/2024
• Grade: 70%	
University of the Witwatersrand	Johannesburg, South Africa
Bachelor of Science	12/2023
• Grade: 65%	
Re:coded	Online
Full-Stack Web Development Bootcamp	04/2024 - 10/2024
• Proficient in front-end technologies including HTML, CSS, JavaScript, React, and Tailwind CSS.	
• Skilled in back-end development with Node.js, Express.js, MongoDB (Atlas, Compass), Mongoose, SQL/NoSQL databases, and API integration.	
• Experienced in model design and architecture, CRUD operations, authentication, and authorization using JWT tokens and password salting.	

COURSES

Data Engineer in Python Track — Datacamp