

NICK MOGOTLANE

BSc in IT Candidate

CONTACTS

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SUMMARY

I am an innovative, dedicated, and detail-oriented individual with a strong foundation in technology and problem-solving skills. I am eager to leverage my academic experience and collaborative abilities in a professional setting to contribute effectively to team goals and drive impactful solutions.

TECHNICAL SKILLS

- **Programming Languages:** Python | C++ | C# | Java | JavaScript
- **Web Development:** MERN stack
- **Data Analytics Tools:** Excel (advanced) | Pandas | NumPy | QM for Windows
- **Database Management:** Oracle | MySQL
- **Software & Tools:** Git | Visual Studio | VS Code | Notepad++ | Postman

RELEVANT EXPERIENCE

Encyption Program (Python)

Apr 2023 - May 2023

- Collaborated on a group project to develop a file encryption and decryption program, focusing on data security and encryption algorithms.

Theme Park Management System (C# & MySQL)

Mar 2023 - Sep 2023

- Contributed to a team effort in creating an application for employees, rides, and tickets management, with a focus on database integration and user interface design.

Text Messaging App (JavaScript & Python)

Mar 2024 - May 2024

- Worked as a part of group to build a real-time messaging app, gaining experience in network protocols and socket programming.

Bookstore Database | Airbnb Investment Analysis Project

Feb 2024 - May 2024 | Aug 2024 - Oct 2024

- Designed a database for inventory and transaction management using Oracle
- Analyzed neighbourhood data in Cape Town using SQL and Oracle to identify key investment opportunities based on pricing, occupancy, and crime data.

Capstone Project: (MERN fullstack Web Application)

Jul 2024 - Oct 2024

- Collaborated with a team to build a web app for educational material sharing, featuring user accounts, file moderation, analytics, using MongoDB, Express.js, React, and Node.js

EDUCATION

NSC (Matric): Grade B

Jan 2017 - Dec 2021

Tlhakanang Secondary School

- Major in Physical Sciences | Mathematics | Life Sciences | Geography.

Bachelor of Science in Information Technology

Feb 2022 - Nov 2024

North West University

Relevant Coursework:

- Systems Analysis & Design | Project Management | Data Analytics | Programming | Databases
- Web Development | Artificial Intelligence | Operating Systems | Computer Networks | Information Security

ADDITIONAL INFORMATION

- **Languages:** English | Sepedi | IsiZulu | Ndebele.
- **Soft Skills :** Leadership | teamwork | effective communication | problem-solving | analytical thinking.
- **References:** Available upon request.