MPHO PORTIA THABANE

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https://github.com/Mpho0107
https://mpho0107.github.io/Virtual-CV/

SUMMARY

Motivated and detail-oriented BSc Information Technology final year student at North-West University, with experience in academic projects focused on full-stack development and database design. Proficient in Python, C#, C++, Java, with strong communication, teamwork, and problem-solving skills. Actively seeking entry-level opportunities or internships to gain practical experience, apply my technical knowledge, and contribute to innovative tech solutions.

EDUCATION

Bachelor of Science in Information Technology   **Feb 2021 - Present**
                                                                      Expected Nov 2025

- NORTH-WEST UNIVERSITY
- Predicted grade: 58.58%
- Relevant Coursework: Web Development (HTML, CSS, JavaScript), Object-Oriented Programming (Java, C#, C++), Database Systems & Design (SQL, ERD Modelling), Software Engineering, Data Structures & Algorithms, Systems Analysis & Design, Information Security, Computer Networks, Project Management, Artificial Intelligence, Computer Networks

National Senior Certificate (Grade 12)   **Jan 2020 - Dec 2020**

- DR MOLEFI OLIPHANT SECONDARY SCHOOL
- Subjects: Sesotho Home Language
  - English First Additional Language
  - Mathematics
  - Life Orientation
  - Information Technology
  - Life Sciences
  - Physical Sciences

PROJECTS

Museum Visitor Software (Solo Project)   **2023**

- **Technology:** C++
- Designed a C++ application that simulates a museum tour for visitors.
- Included modules for exhibit info, ticket booking, and visitor feedback.
- Demonstrated object-oriented programming and file handling.

University Quiz Creator App (Team of 11)   **2024**

- **Technologies:** Java, JavaFX
- Created an interactive quiz-creating app detecting facial expressions, gestures, and accessories.
- Used motion sensing and visual elements to make the answering of quiz questions immersive and intuitive.

Money Loaning Database System (Team of 5)   **2024**

- **Technologies:** Database Systems & Design Tools
- Designed and implemented a relational database system for a fictional loan company.
- Features included client registration, loan tracking, payment history, and reporting.
- Collaborated on data modeling, ERD creation, and normalization.

Supermarket Database Management System (Team of 5)   **2025**

- **Technologies:** Oracle SQL
- Created a normalized logistics database with stored procedures, views, and triggers.
- Designed entity-relationship diagrams and implemented transactional support.
- Ensured accuracy and scalability in handling logistics records.

Enterprise Network Design (Team of 8)   **2025**

- **Tools:** Cisco Packet Tracer
- Simulated an enterprise network setup with VLANs, VPNs, subnetting, and ISP failover.
- Applied real-world network design principles for high availability and security.
- Produced a working prototype of a scalable, secure enterprise network.

ADDITIONAL INFORMATION

- **Skills:**
  Programming Languages: Python, C#, C++, Java
  Web Development: HTML, CSS, JavaScript
  Database Design & Tools: SQL, ERD Modelling, MySQL, GitHub
  Development Tools: Visual Studio, GitHub
  Soft Skills: Communication, Teamwork, Problem-Solving, Adaptability, Computer Literacy
- **Languages:** English, South Sotho
- **Certifications:**
  Top 1 learner award - Grade 12 (2020), Top 2 Physical Sciences learner award - Grade 12 (2020)