SIBONISO MABASO

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PROFESSIONAL SUMMARY

Final-year Information Technology student with strong academic performance in web development, costing, and business analysis. Proficient in full-stack web development, data analysis, and cloud environments with hands-on experience in Java, Python, SQL, PHP, HTML/CSS, and MySQL. Certified in CCNA networking (switching, routing, wireless essentials) and familiar with Microsoft Azure. Seeking an entry-level role in software development or data analysis to apply technical, analytical, and problem-solving skills in a dynamic team.

TECHNICAL SKILLS

Programming Languages: Java, Python, PHP, VB.NET, C#, JavaScript
Web Technologies: HTML5, CSS3, Bootstrap, Full-Stack Development
Databases: MySQL, Oracle DB, SQL
Cloud Platforms: Microsoft Azure, Oracle Cloud, Oracle APEX
Networking: CCNA (Switching, Routing, Wireless Essentials)
Tools: Git/GitHub, VS Code, MS Office 365, Excel (Advanced Functions, Pivot Tables), Pandas, Matplotlib
Compliance: POPIA (Protection of Personal Information Act)
Soft Skills: Analytical Problem Solving, Strategic Planning, Time Management, Communication Skills

EDUCATION

Diploma in Information Technology

Vaal University of Technology

Expected Completion: 2026
Specialization: Web Development, Software Development, Business Analysis

Grade 12(Passed)   2022

ACADEMIC PROJECTS

1. Smart Traffic Optimization Gauteng

- Technologies: Python, TensorFlow, Machine Learning, Route Optimization Algorithms
- Developed an AI-powered system to predict traffic patterns and optimize delivery routes in real time.
- Applied machine learning models to improve transport efficiency for Gauteng's industries.
- Focused on scalability, logistics, and urban transport planning applications.

2. Student Marketplace

- Technologies: PHP, MySQL, HTML, CSS, Full-Stack Development
- Designed and implemented a peer-to-peer textbook exchange platform with user registration, listing, and browsing features.
- Built a clean, user-friendly interface to simplify marketplace navigation.
- Strengthened database management and front-end/back-end integration skills.

3. Business Costing Analysis Tool

- Technologies: Excel (advanced functions, pivot tables), Python (pandas, matplotlib), SQL
- Simulated production cost scenarios using advanced Excel functions and Python automation.
- Conducted variance analysis to identify profitability gaps between budgeted and actual costs
- Built interactive dashboards to visualize cost breakdowns, margins, and profitability trends.
- Translated financial requirements into structured technical data models for decision support.

CERTIFICATIONS & KNOWLEDGE

- Networking: CCNA Switching, Routing, and Wireless Essentials.
- Cloud: Microsoft Azure, Oracle Apex
- Compliance: Knowledge of POPIA (Protection of Personal Information Act).
- Soft Skills: Strategic Planning, Time Management, Analytical Problem Solving.

ADDITIONAL INFORMATION

- **Languages:** English (Fluent), Zulu (Fluent)
- **Availability:** Immediate for internships or entry-level roles

- Willing to relocate within Gauteng

References and academic transcript available upon request.