Ntombela Ntokozo

Software Engineer

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GitHub | LinkedIn

Professional Summary

Highly motivated ICT graduate specializing in full-stack development and secure application design. Skilled in **Python, C#, Java, Flask, ASP.NET**, and database systems. Strong foundation in **cloud technologies, networking, Linux administration, and cybersecurity**, with hands-on experience delivering real-world academic and personal projects. Passionate about building scalable, user-friendly software solutions and pursuing a career in **Software Engineering, Cloud Support, or Entry-Level Cybersecurity** roles.

Technical Skills

Languages: Python, C#, Java & JavaScript

Web & Frameworks: Flask, ASP.NET, React.js

Mobile/ Platform: Android (Java, XML, View Binding)

Databases: MySQL, SQLite

Cloud & OS: Linux (CLI), Cloud Fundamentals, Firebase

Tools & Dev Practices: Git, GitHub, VS Code, Visual Studio, Android Studio, Agile teamwork, API integration

Projects

Clinic Booking System | ASP.NET, C#, MySQL   March 2024 – May 2024

- Web base appointment scheduling for school clinics with patient registration & doctor management dashboard.
- Implemented MVC architecture, session control, and form validation for secure data flow and improve UX.
- MEDICODE

Secure Voting System| Flask, Python, SQLite   Feb 2025 – March 2025

- Built secure online voting platform with user registration, vote casting, and results tracking.
- Added role-based access control and authentication safeguards to protect vote integrity and user data.
- Voting Digital System

Peer Tutoring App | Android (Java), Firebase Auth & Realtime DB   March 2025 – June 2025

- Connects students needing help with peer tutors by subject & availability.
- Features secure login, real-time chat, and session scheduling, designed for accessible, collaborative learning.
- peertutoringapp

Education

Bachelor of Information & Communication Technology   Feb 2023- present

(BINCT) – **Durban University of Technology**

Current 3rd year student with strong practical exposure across software engineering, networking, databases, and cloud fundamentals.

Relevant Coursework

Software Engineering & Development: Platform-Based Development III, Integrative Programming & Technology III, Programming Languages II, Algorithms & Data Structures II, Information Management II, Systems Analysis & Design II, Software development fundamentals.

Systems, Cloud & infrastructure: Networks & Operating Systems II, Computer Organization & Architecture II, System fundamentals, Introduction to computing.

Security & Foundations: Information Assurance & Security II, Discrete Structures, Mathematics to Computing A & B.

Certifications

Linux Fundamentals – Cisco Networking Academy | July 2024 – Nov 2024(Online)

Introduction to cybersecurity – Cisco Networking Academy | March 2025 – May 2025 (Online)

Networking Basics– Cisco Networking Academy | April 2025 – July 2025 (Online)

Microsoft AI – Microsoft| June 2025 – July 2025 (Online)

Additional Experience & Academic Engagement

- Collaborated in multiple student teams to deliver capstone style systems (Resident24, Secure voting).
- Regularly use Git/GitHub for version control, branching, and code reviews.
- Present project demos to academic supervisors, building technical communication skills.

Interests

- Coding Challenges
- Software Security
- Cloud Architecture
- Peer Learning Communities