

# Yolokazi Zangqa

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## Professional Summary

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Final-year BSc Information Technology student with a strong academic foundation in data analysis, IT assurance, software development, and network simulation. Skilled in Python, SQL, Java, and C#, with hands-on experience leading team-based technical projects. Demonstrates strong analytical thinking, collaborative leadership, and a passion for digital risk, system integrity, and business technology. Seeking opportunities to apply skills in academic research, IT assurance, and system analysis.

## Education

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### North-West University

Bachelor of Science in information technology  
Vanderbijlpark Campus  
Feb 2022 – Nov 2025 (Expected)

**Relevant coursework:** Data Analysis, Networking, Programming (Python, Java, SQL, C++), Data Structures, IT Project Management

### Thubalethu high school

Senior Certificate: Grade 12  
Eastern Cape  
Jan 2016 – Dec 2020

## Technical Skills

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- **Programming:** Python, Java, C#, SQL
- **Database Tools:** SQL, ERDs, Normalization, Microsoft Access
- **Data Analysis:** Power BI, Excel (Pivot Tables, VLOOKUP, Charts)
- **Software Development:** Visual Studio, Git, GitHub
- **Networking:** Cisco Packet Tracer, VLAN, NAT, DHCP, LAN/WAN Configuration
- **Project Tools:** Trello, Jira
- **Operating Systems:** Windows, Linux (Introductory)

## Core Competencies

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- IT Assurance & Digital Risk Awareness
- Quantitative & Logical Problem Solving
- Business Communication & Report Writing

- Agile & Waterfall Methodologies
- Process Improvement & Analytical Thinking
- Team Leadership in Technical Environments

## Projects

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- **ATM Simulation System**  
Led a team to design a secure ATM simulation in C# integrated with SQL Server. Focused on data integrity, transactional accuracy, and user authentication.
- **Insurance Database Management System**  
Developed a normalized relational database for managing insurance policyholders. Designed userfriendly interface in C# for CRUD operations and reporting.
- **Enterprise Network Simulation**  
Simulated an enterprise network using Cisco Packet Tracer. Configured VLANs, NAT, DHCP, and routing protocols to create a secure and scalable infrastructure.

## Additional Information

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- Committed to academic excellence and continuous learning in IT assurance and data systems.
- Collaborative team player with leadership experience in hybrid academic settings.
- Strong work ethic, adaptability, and ability to perform under pressure.
- Interested in IT governance, systems auditing, and digital transformation strategies.

## References

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Available upon request.