

BUHLE MAHLANGU

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GitHub: github.com/BuhleMahlangu/CV_and_Projects

Portfolio: <https://buhlemahlanguportfolio.netlify.app/>

Collective GitHub project: <https://github.com/RuanHenry256/puk360-frontend.git>

PROFESSIONAL SUMMARY

Recent BSc Information Technology graduate with strong leadership experience and technical expertise. Proven track record in team leadership as Head Boy and active participation in community service projects. Seeking opportunities to apply technical skills in IT with a focus on networking, problem-solving, and continuous learning.

EDUCATION

Bachelor of Science in Information Technology

North-West University | 2021 – 2025 (Completed)

National Senior Certificate

Kriel High School | 2016 – 2020 (Completed)

- Top 10 learners' achievement
 - Head Boy (2020)
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TECHNICAL SKILLS

Programming Languages: Java, Python, C++, C#, SQL, HTML, CSS

Database Management: Oracle SQL Developer, Data import/export, Self-joins, Aliases, Query optimization

Tools & Technologies: Cisco Packet Tracer, Microsoft Excel, Word, PowerPoint, TeamViewer, BlueJ, Visual Studio Code, Visual Studio, CodeBlocks, Github

Core Competencies: Computer Networks, Operating Systems, Systems Analysis and Design, Artificial Intelligence

PROFESSIONAL SKILLS

- Leadership and Team Management
- Time Management
- Problem Solving and Analytical Thinking

- Teamwork and Collaboration
 - Communication and Presentation
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EXPERIENCE

Head Boy

Kriel High School | January 2020 - December 2020

- Coordinated with HODs and students to improve school programs and initiatives
- Facilitated communication between administration and student body
- Organized and managed school assemblies and special events

Community Service Volunteer

North-West University | 2022

- Participated in pageantry and community outreach initiatives
 - Volunteered in various charitable events and activities
 - Contributed to university community engagement programs
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PROJECTS

Array List Class Improvements

- Enhanced data structure implementations using Java
- Optimized performance and functionality of array list operations

Database Query Optimization

- Developed and optimized complex SQL queries using Oracle SQL Developer
- Implemented self-joins and aliases for improved query performance

Network Configuration

- Designed and simulated network topologies using Cisco Packet Tracer
- Implemented networking protocols and troubleshooting techniques

Campus Event Management Platform

A full-stack web application for managing university events with role-based access (Student, Host, Admin). Features include:

- **Student Portal:** Event feed with filtering by week/category/campus, detailed event views with venue, timing, and host information
- **Host Dashboard:** Event creation and management workspace with image upload, venue specification, and event lifecycle controls (save/duplicate/delete/status management)

- **Admin Panel:** Comprehensive dashboard with engagement metrics, Victory.js data visualizations for event trends and user growth, host application reviews with approval workflow, user management system with role-based permissions, and system logs monitoring
- **Responsive Design:** Mobile-optimized interface with animated hamburger navigation and adaptive layouts

Built with React, RESTful API integration, and component-based architecture for scalable event management across campus communities.

ACHIEVEMENTS

- Top 10 learners in high school graduating class
 - Awarded Head Boy role for exemplary leadership and academic performance
 - FIFA/FC certificates for best player in NWU residence level games (2022-2024)
 - Sports certificate for soccer participation
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EXTRACURRICULAR ACTIVITIES

- Soccer team member
 - Gaming community participant
 - Leadership roles in student organizations
 - Community service and volunteer work
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References available upon request