

ALUWANI MATHOMU

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Objective

Recent Electrical Computer Systems Engineering graduate with strong technical skills in IT systems, software development, and networking. Skilled in Windows/Linux administration, databases (MySQL), cloud platforms (Microsoft Azure), Docker container deployment, and programming (Java, Python, JavaScript, C++). Certified in Azure Fundamentals, Azure Data, and Azure Developer Associate. Seeking an Information Technology Internship to apply my knowledge in system support, troubleshooting, and application development while gaining professional experience.

Education

- Vaal University Of Technology** Completed: 2024
Electrical Computer Systems Engineering
- Ramashia Secondary School** Completed: 2019
National Senior Certificate

Skills

- Operating Systems: Windows, Linux
- Programming Languages: Java, Python, JavaScript, Embedded C, C++
- Frameworks & Tools: Spring Boot, React, HTML, CSS, JavaScript
- Cloud & Virtualization: Microsoft Azure (Fundamentals, Data, Developer), Docker container deployment
- Networking: TCP/IP, DNS, Network fundamentals, Troubleshooting
- Database Management: MySQL
- Web development basics (HTML, CSS, JavaScript, Spring Boot, React)
- Productivity Tools: Microsoft 365 (Word, Excel, PowerPoint, Outlook)
- Software installation & configuration, System Support, IT troubleshooting
- Written and verbal communication skills
- Quick learner and adaptable to new technologies
- Strong problem-solving skills

Certificates

- Microsoft Certified: Azure Developer Associate (2025)
- Microsoft Certified: Azure Data Fundamentals (2023)
- Microsoft Certified: Azure Data Fundamentals (2023)

Projects

- Enterprise Resource Planning system**
Built a full-stack ERP web system using Spring Boot and React, showcasing backend frontend integration and database management.
- Smart Tracking System**
 - Designed a sign-in/out tracker with database connectivity
 - Developed with Python, Java & MySQL; similar in flow to member activity tracking
 - Emphasized accurate time records and exportable summaries

- **Enhanced security system with human,vehicle detection and keypad access control**
Technologies: C++, Hardware Integration
 - Developed a security solution with keypad access, human and vehicle detection
 - Integrated software logic with physical sensors and a front-end interface for alerts

Reference

- **Mr KT Nshimba - Vaal University of Technology**
Lecturer
kalala@vut.ac.za
- **Zwivhuya Morgan Vhangani - Providence Software Solutions**
Full Stack Developer
079 572 2163