

AYANDA LUTHULI

ASPIRING APPLICATION DEVELOPER

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PROFESSIONAL SUMMARY

Motivated and detail-oriented ICT Application Development graduate with hands-on project experience in Java, VB.NET, web technologies, and AI-driven systems. Proven ability to design, develop, and deploy practical software solutions through academic projects and hackathons. Eager to contribute technical skills, creativity, and a strong learning mindset to a dynamic development team.

CORE COMPETENCIES

- **Front-End Development:** HTML5, CSS3, JavaScript, ReactJS (Learning)
- **Back-End Development:** Java, VB.NET
- **AI & Automation:** Prompt Engineering, AI-Assisted Development, Intelligent Matching Systems
- **Database Management:** MySQL, Supabase (Cloud Database Platform)
- **Tools & Practices:** Git, GitHub, VS Code, IntelliJ, NetBeans, SDLC, Agile/Scrum
- **Soft Skills:** Problem Solving, Team Collaboration, Adaptability, Clear Communication

PROJECT EXPERIENCE

AI-Powered Career Navigation System -[SATNAC Hackathon](#)

- Developed an AI-driven platform that recommends personalized career paths for South African youth based on skills, interests, and education level.
- Implemented automated reasoning, career clustering, and multilingual UI support (Zulu, Xhosa, Sotho).
- Designed intuitive user flows and interactive recommendation dashboards.

AI-Powered SMME Funding Application Matcher -[IDZ Innovation Project](#)

- Built an intelligent system to match small businesses with suitable funding opportunities using criteria such as sector, region, and revenue.
- Designed and implemented database schemas using Supabase (PostgreSQL-based cloud platform).
- Created automated matching logic, dynamic forms, and application tracking workflows.

Hospital Management System – Java Application -[Academic Project](#)

- Developed a modular Java-based system for patient registration, appointment scheduling, and staff management.
- Applied core OOP principles: inheritance, polymorphism, and encapsulation.
- Implemented console-based menus with input validation and data persistence using arrays.

Note: Project databases might be paused and can be activated for demonstration upon request.

HACKATHONS & ACHIEVEMENTS

- **SATNAC Hackathon 2025** – Built AI-powered career navigation system.
 - **IDZ Innovation Challenge 2025** – Developed SMME funding matcher platform.
 - **Top 10 Finalist – FNB App of the Year 2025**
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EDUCATION

Diploma in ICT (Application Development)

Walter Sisulu University (2023 – 2025)

Graduation 08-May-2026

National Senior Certificate (Bachelor's Pass)

Phoenix College of Johannesburg

Completed: 2022

TECHNICAL SKILLS

- **Languages:** Java, VB.NET, HTML5, CSS3, JavaScript
 - **Frameworks/Libraries:** ReactJS (Learning)
 - **Databases:** MySQL, Supabase (Cloud Database)
 - **Tools:** Git, GitHub, VS Code, NetBeans, IntelliJ
 - **Development Practices:** Agile/Serum, Debugging, Version Control, UI/UX Principles
 - **Languages:** English (Fluent), Zulu (Fluent)
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REFERENCES

Available upon request