

# AYANDA LUTHULI

## ASPIRING APPLICATION DEVELOPER

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LinkedIn: [linkedin.com/in/ayanda-luthuli-b555b9348](https://www.linkedin.com/in/ayanda-luthuli-b555b9348) | GitHub: [github.com/AyandaLuthuli](https://github.com/AyandaLuthuli) | Web-Portfolio : [view](#)

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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

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| <ul style="list-style-type: none"><li>• <b>Front-End Development:</b> HTML5, CSS3, JavaScript, ReactJS (Learning)</li><li>• <b>Back-End Development:</b> Java, VB.NET</li><li>• <b>AI &amp; Automation:</b> Prompt Engineering, AI-Assisted Development, Intelligent Matching Systems</li></ul> | <ul style="list-style-type: none"><li>• <b>Database Management:</b> MySQL, Supabase (Cloud Database Platform)</li><li>• <b>Tools &amp; Practices:</b> Git, GitHub, VS Code, IntelliJ, NetBeans, SDLC, Agile/Scrum</li><li>• <b>Soft Skills:</b> Problem Solving, Team Collaboration, Adaptability, Clear Communication</li></ul> |
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### 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.
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*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*

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## 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/Scrum, Debugging, Version Control, UI/UX Principles
  - **Languages:** English (Fluent), Zulu (Fluent)
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## REFERENCES

Available upon request