

# LESEDI MANGANYI

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## SUMMARY

A highly motivated aspiring software engineer with a passion for developing innovative solutions that drive business growth. Ability to solve problems and collaborate effectively within teams. Eager to leverage strong technical skills amongst a multitude of programming languages in order to contribute to company success.

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## EDUCATION

**BSc in IT majoring Computer Science and Business Management** Jan 2024 - Present

- Computer Programming (C# .NET & Java) - Windows Forms/Console/MAUI Applications, Class Development, File Management (IO)
- Software Design - Data Structures, Computer Resource Management, Algorithm Complexity
- Systems Analysis & Design - SDLC Process, Project Management, Data Modelling, Architecture Design, User Interface Design, Implementation
- Database Management - SQL Database Programming, Database Design, Database Performance Tuning

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## SIDE PROJECTS

### Armentum Residence App

- **Cross-platform mobile app** using **.NET MAUI, Firebase Realtime Database**, and **Cloudinary** to serve **150+ residents**, featuring real-time machine status updates, user authentication, and profile management.
- Implemented performance-optimized architecture with singleton pattern and token caching, reducing Firebase API calls by **60%** and improving load times by **40%**.

### Personal Portfolio Website

- **Responsive professional portfolio** using **HTML5, CSS3, and JavaScript**, featuring custom asynchronous form handling and real-time local time tracking for international recruiters.

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## WORK EXPERIENCE

### Quality Assurance Intern

Sep 2025 - Present

Bloemfontein (Virtual)

- Conducting daily QA testing across Oigetit's app to verify features for **10000+ daily users**.
- Documenting and reporting bugs, usability issues, and performance concerns.

### Computer Programming Demonstrator

Feb 2025 - Present

University of Free State

- Demonstrate C# & Java programming to students, increasing grade average by **20%**.
- Explaining of C# & Java concepts, impacting **300+ students**.

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## ADDITIONAL INFORMATION

- **Skills:** Programming, Problem-solving, Application planning, Git
- **Languages:** C#, Java, JavaScript, SQL, HTML, CSS
- **Certifications:** Leading with a Digital Mindset in the Age of AI (LinkedIn), Information & Computer Technology (ICT) Proficiency (UFS)