

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.

EDUCATION

BSc in IT majoring Computer Science and Business Management	Jan 2024 - Present
• <u>Computer Programming (C# .NET & Java)</u> - Windows Forms/Console/MAUI Applications, Class Development, File Management (IO)	
• <u>Software Design</u> - Data Structures, Computer Resource Management, Algorithm Complexity	
• <u>Systems Analysis & Design</u> - SDLC Process, Project Management, Data Modelling, Architecture Design, User Interface Design, Implementation	
• <u>Database Management</u> - SQL Database Programming, Database Design, Database Performance Tuning	

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.

WORK EXPERIENCE

Quality Assurance Intern Bloemfontein (Virtual)	Sep 2025 - Present
• 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 University of Free State	Feb 2025 - Present
• Demonstrate C# & Java programming to students, increasing grade average by 20% . • Explaining of C# & Java concepts, impacting 300+ students .	

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)