LIFA MBANGATA

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GitHub: https://github.com/Lifa-Mbangata

Gender: Male

Date of Birth: 27 March 2003

Availability: Immediate

Objective

As a third-year ICT Applications Development student, I aim to secure an internship to apply my technical expertise in Java, Python, and SQL database systems while contributing to innovative software solutions. Eager to collaborate with industry professionals and refine my skills in agile environments.

Education

Cape Peninsula University of Technology

Diploma in ICT (Applications Development)

Years of Study: 2023–2026 (Currently in third year)

Relevant Coursework:

- Object-Oriented Programming (Java/Python/Kotlin), Data Structures & Algorithms, Software Design, Spring Boot
- Database Management Systems, SQL
- Software Testing and Debugging, Agile Methodologies

Alphendale Senior Secondary School

National Senior Certificate (Matric) - Completed: 2021

Skills

- **Programming Languages:** Java, Kotlin, Python
- **Mobile Development:** Android Studio, Kotlin, XML, Jetpack Components
- **Databases:** SQL, Apache Derby, SQLite
- **Tools:** Java Swing, Sockets, Git, GitHub, Figma, NetBeans, PyCharm, IntelliJ, Spring Boot
- **Methodologies:** Domain-Driven Design (DDD), Test-Driven Development (TDD)

• **Soft Skills:** Time Management, Communication, Team Collaboration, Multitasking

Projects & Experience

Timetable Management System (2024)

- **Role:** Lead Developer
- **Languages/Tools:** Java, Apache Derby, NetBeans
- **Responsibilities:** Designed and implemented the database schema; developed core classes in the Connection, DAO, and Domain layers including Timetable and Venue classes; built user interfaces for timetable generation and venue allocation using Java Swing; managed the project lifecycle including configuration via the POM file; led team meetings, sprint planning, and code reviews; acted as the primary liaison with the university's scheduling coordinator to ensure accurate timetable logic; followed Agile methodologies throughout the development process.

Online Voting System – Client-Server Architecture (2024)

- **Role:** Backend Developer & Co-Lead
- **Languages/Tools:** Java, Apache Derby, NetBeans
- **Responsibilities:** Defined project requirements collaboratively; led backend development including the ServerApplication, CarsAndVotes model, DAO layer, database connectivity, and server-side GUI with real-time updates and logging; contributed to the client-side interface; coordinated team meetings and agile sprints to ensure timely delivery.

LoginApp – Android Application (2025)

- **Role:** Solo Developer
- **Languages/Tools:** Kotlin, Android Studio, Jetpack Compose, Room Database
- **Responsibilities:** Developed an Android login system with full user registration, authentication, and data display functionality; implemented seamless navigation between login, registration, and user display screens using NavController; used DAO methods to manage local storage in Room Database; ensured data consistency, responsive UI, and clean architecture aligned with modern mobile development standards.

References

Mbuyiselo Ntozinkulu

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Lwazi Tomson

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