

# Mpilonhle Radebe

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## EDUCATION

### University of Johannesburg

BCom Information Systems

Johannesburg, SA

2023 – Present

- Relevant coursework: Python Programming, C#, SQL Databases, Web & Mobile App Development, Information Systems, Artificial Intelligence in the 4IR, Business Analytics

## TECHNICAL SKILLS

**Languages:** Python, JavaScript (React), Java, C#, SQL, HTML/CSS, Swift

**Frameworks/Tools:** React.js, Next.js, React Native, Node.js, Flask, Firebase, Docker, SwiftUI, Foundation

**Databases & Analytics:** MySQL, SQL Server, Firebase Firestore, Power BI, Tableau

**Developer Tools:** Git, GitHub, VS Code, Visual Studio, Xcode, PyCharm, Chrome DevTools, MySQL Workbench

**Other:** REST APIs, Data Structures & Algorithms, Agile, UI/UX Principles

## PROJECTS & EXPERIENCE

### AlertNet — Final-Year Project, Full Stack Developer | *React Native, Firebase*

2025

- Developed real-time mobile safety application for students and young professionals
- Implemented biometric-triggered SOS, walk partner coordination, and smart alerts
- Built with React Native & Firebase (Realtime DB, Auth, Cloud Functions)
- Led frontend/backend development, geofencing logic, and UI/UX

### Drafted — Founder & Lead Developer | *React Native, Firebase*

2024 – Present

- Created platform for artists to manage, share, and structure unreleased creative work
- Designed secure file-upload and stem management workflow for musicians
- Developed minimal Apple-style UI with seamless creative project flow

### Luxe Living Dashboard — Data Analytics Academic Project | *Power BI, SQL*

2024

- Built interactive Power BI dashboard for Mega Mart retail insights
- Queried and processed customer transaction data with SQL
- Delivered business intelligence visuals on sales, regions, and trends

### Geekulcha Hackathon — Team Lead & Developer | *React, Python*

2024

- Developed "Lend a Hand" platform for local economies with AI-powered advisor
- Integrated digital marketplace features and pitched working prototype
- Won judge commendations for solution

### Additional Hackathons & Web Projects — Full Stack Developer

- Built multiple full-stack web apps using JavaScript and Python
- Implemented REST APIs, Firebase, and cloud storage for scalable apps
- Contributed to UI design, authentication flows, and responsive layouts

## ACHIEVEMENTS

Built and launched Drafted MVP with early user waitlist

Top 3 high school academic achiever (English, Physical Sciences, Life Sciences, Maritime Economics, IsiZulu)

Selected for multiple hackathons and workshops in tech and entrepreneurship

## EXTRACURRICULARS

Technical blogger on software engineering, tech culture, and student growth

Pianist with interest in creative tech crossovers between music & code

Exploring AWS cloud services and building scalable side projects