

# ROLVA MASHALE

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## SUMMARY

I am an aspiring iOS Software Developer with a Bachelor of Science degree in Mathematical Sciences, majoring in Computer Science and Statistics from the University of Limpopo. With over three years of experience in software development, I have honed my skills in creating and maintaining mobile applications, particularly within the iOS ecosystem. My hands-on experience, combined with a solid foundation in computer science, positions me to make significant contributions to any IT-related project. I am self-motivated, goal-oriented, and driven by a passion for technology and a desire to uplift others through shared knowledge and experience.

## EXPERIENCE

**May 2024 to Current**

### **Cloud Computing Trainee**

**Zensar Technologies** - Johannesburg, South Africa

- Acquired in-depth knowledge of cloud technologies and industry practices.
- Attended specialized training sessions to enhance understanding of processes and techniques.
- Engaged in on-the-job training, working closely with supervisors and colleagues.
- Supported departmental tasks to develop a comprehensive understanding of industry processes.

**September 2023 to  
March 2024**

### **iOS Software Developer**

**ABSA BANK** - Johannesburg, South Africa

- Developed and implemented key features for the banking app, enhancing user experience, security, and functionality.
- Maintained and optimized software solutions for seamless banking operations.
- Collaborated with cross-functional teams to introduce new features and improve existing ones.
- Performed regular system maintenance and performance tuning.

**April 2023 to  
September 2023**

### **Junior iOS Developer**

**Shaper** - Johannesburg, South Africa

- Developed and maintained iOS applications with a focus on user-centric design and performance optimization.
- Collaborated with designers and product managers to define project requirements and deliver high-quality applications.
- Implemented backend services and APIs to support mobile functionality.
- Ensured responsive design and optimal performance across various devices.

## SKILLS

- **Programming Languages:** Swift, Objective-C, Python, Java, SQL, JavaScript, HTML, CSS
- **Mobile Development:** Advanced iOS Development, Windows Mobile Development, Cross-Platform Development (Flutter, React Native)
- **Frameworks & Tools:** UIKit, SwiftUI, Core Data, Core Animation, ARKit, MVC, MVVM, RESTful APIs, CI/CD (Fastlane, Jenkins), Git, Microsoft Azure
- **Version Control:** Expert in Git (branching, merging, rebasing, conflict resolution), GitHub for collaboration (pull requests, code reviews, issue tracking), Git workflows (Gitflow, Feature Branching)
- **Integrated Development Environments (IDEs):** Xcode (Proficient), Interface Builder, Simulator, Debugging Tools, Performance Tuning with Instruments
- **Apple Ecosystem:** Comprehensive MacBook usage, macOS, Terminal commands, Homebrew, and system optimization for development
- **Data Science & Machine Learning:**
  1. **Libraries:** Proficient in Python libraries such as NumPy, pandas, Matplotlib, Seaborn, Scikit-learn, TensorFlow, Keras
  2. **Machine Learning:** Experience with supervised and unsupervised learning, model selection, training and evaluation, data preprocessing, and feature engineering
  3. **Data Analysis:** Statistical analysis, data visualization, exploratory data analysis (EDA)
  4. **AI Integration:** Applying machine learning models in mobile applications, leveraging Core ML for iOS
- **Cloud Services:**
  - **Microsoft Azure:** Proficient in Azure App Services, Azure Functions, Azure SQL Database, Azure Blob Storage, Azure Key Vault, and Azure Machine Learning
- **Microsoft Office Packages:** Proficient in Microsoft Word, Excel, PowerPoint, Access, Outlook, and Teams
- **OOP Principles, Domain-Driven Design (DDD), Unit Testing (XCTest, Quick/Nimble), Automated UI Testing (XCUITest), Performance Profiling (Instruments)**
- **Data Management:** Core Data, Realm, SQLite, JSON, XML Parsing
- **Security:** Secure Coding Practices, Keychain Services, OAuth 2.0, SSL/TLS, Encryption (AES, RSA)
- **Other:** Agile Development, SDLC, DevOps, Build and Dependency Management (CocoaPods, Carthage, SPM), UX/UI Design, Accessibility Standards (VoiceOver, Dynamic Type)
- **Soft Skills:** Strong analytical and problem-solving abilities, effective communication, proactive and accountable work ethic, leadership and team collaboration, adaptability in fast-paced environments

## EDUCATION

January 2023 to  
Current

**Bachelor of Science Honours:** Computer science  
**University of South Africa**

January 2019 to  
December 2021

**Bachelor of Science in Mathematical Sciences:** Computer Science and Statistics  
**University of Limpopo**

## CERTIFICATIONS

- Design Patterns in Swift, Udemy
- Level up in Auto Layout - Swift and iOS, Udemy
- MVVM Design Using Swift in iOS, Udemy
- Git Going Fast : One Hour Git Crash Course, Udemy
- Clean Code, Udemy
- Complete Python Developer 2023: Zero to Mastery, Udemy
- The Data Science Course 2022: Complete Data Science BootCamp, Udemy
- SQL, Data Camp
- Machine Learning, Coursera

## ACHIEVEMENTS

- Achieved 71% in Computer Science final mark with distinctions in Artificial Intelligence and Introduction to Database Systems.
- Led a class as prefect, increasing group study participation from 5 to 18 students.
- Formed part of afternoon tutorial sessions with other students called Potential Driven Students (PDS).

## LEADERSHIP EXPERIENCE

### FINAL YEAR COMPUTER SCIENCE PROJECT LEADER

#### UNIVERSITY OF LIMPOPO

**JANUARY 2021 – OCTOBER 2021**

Led a team of students to complete a final year project, earning top marks for presentations under my supervision.

## GOALS

- To achieve my set goals and keep myself dynamic in the changing scenario to become a senior iOS software developer.
- To become an excellent iOS Developer Specialist, taking on challenging work in the industrial structure with creative and diversified projects, and to be part of a constructive and fast-growing world.
- To make a position for myself in the competitive corporate world and contribute to achieving the goals on both professional and personal levels.
- To work in an environment that challenges me to improve and constantly strive for perfection in all the tasks allotted to me so that I can showcase my technical knowledge and skills.