

# KHAKA ITUMELENG

## Bsc IT Majoring in computer science & Business Graduate



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### ABOUT ME

Driven and passionate female final-year BSc Honours student in Computer Science and Informatics at the University of the Free State, with a strong foundation in software development, web applications, database management, and HPC. Gained hands-on experience during a 6-month internship contributing to Oracle PeopleSoft Campus Solutions, international HPC competition, academic support roles, and a work-integrated module with BBD, where I co-developed a maze game within a week. A quick learner eager to contribute to innovative tech solutions.

### EDUCATION

#### 2020- 2020

Rantsane Secondary

#### Matric

Matriculated at Rantsane with an average of 75% and an APS score of 38. I was part of the Promaths organisation.

#### 2021 - 2024

University of the Free State

#### BSc IT majoring Computer sciences and Business Management

Learned C#, design patterns, and data structures. Developed websites using .NET Core MVC and managed databases with MySQL and SQL. Studied digital marketing, human resources, and business functions.

#### 2025-Present

University of the Free State

#### Bsc Honours in Computer sciences and Infomatics

Worked on single-page web applications using JavaScript and TypeScript. Covered modules in Data Warehousing, Human-Computer Interaction, Business Intelligence, and Robotics. Honours project focused on AI and chatbot development using NLP, LLMs, and RAG.

### EXPERIENCE

#### 2023-2024

University of the Free State

#### Lecture Assistant and Demonstrator

Worked as a lecturer assistant and demonstrator for modules including Introduction to Programming (Part 1 & 2), Web Development, Software Design, and Problem Solving. Responsibilities included tutoring, explaining content, delivering lectures, and marking.

#### 2024(Nov)-2025(April)

RuxSys

#### Database manager

Worked in agile teams solving real-world problems related to Oracle PeopleSoft Campus Solutions, using PeopleCode, SQL, Python, and load testing tools.

### SOFT SKILLS

- Leadership
- Project Management
- Critical and creative thinking
- Teamwork
- Communication
- Innovation
- Emotional Intelligence
- Problem Solving

### HARD SKILLS

- Ubuntu, Rocky, Linux, Windows
- Programming (C#, Python, C++)
- Microsoft Office 365 (Word, PowerPoint, Excel, Access)
- Databases (SQL, MySQL, PeopleCode)
- Website (HTML, CSS, Javascript, Bootstrap)

### ORGANISATIONS

#### 2022-Present

University of the Free State

#### ITSA Treasure Volunteer

Provided academic support and free tutoring, while managing the organisation's finances.

### CERTIFICATION AND ARCHIEVEMENT

- CSIR top 6 student cluster competition winner
- ISC 2024 Student cluster competition participation certificate
- Oracle Cloud Infrastructure 2025 AI Foundation Associates, 1Z0-1122-25

References are available upon request