



# MOFOKENG LEFU SHADRACK

## SELF DESCRIPTION

Highly motivated and detail-oriented aspiring software developer with a passion for coding and problem-solving. Eager to contribute to innovative projects and gain hands-on experience in a dynamic team environment.

## EDUCATION

Bachelor of Science Honours in Computer Science and Information Technology at North-West University

**Completed:** 2023

Bachelor of Science in Information Technology at North-West University

**Completed:** 2022

National Senior Certificate at Phukalla Secondary School

**Completed:** 2017

## LANGUAGE

**Home Language:** Sesotho

**Communication Language:** English

## SKILLS

- **Programming Languages:** Python, SQL, Java, C#, C++, .NET Core, .NET Framework, HTML, CSS, JavaScript, MATLAB
- **Version Control:** Git, GitHub
- **Microsoft Office Suite:** Excel, PowerPoint, Word, Outlook, scripting language.
- Effective communication and time management skills
- Strong understanding of data structures and algorithms
- Excellent problem-solving and analytical skills
- Ability to work collaboratively in a team environment.



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## EXPERIENCE.

### IT Technician/Support

Nketoana Municipality | July 2024 - Present

- Troubleshoot hardware and software issues, providing timely and effective technical support.
- Maintain and service computers and network equipment, ensuring smooth operations.
- Assist with the implementation of upgrades and new equipment setups.

### Data Analytics Intern

Oasis Infobyte (Virtual) | February 15 - March 15, 2024

- Developed machine learning models, including sentiment analysis, fraud detection, and price prediction.
- Conducted exploratory data analysis on retail and NYC Airbnb data, uncovering insights related to patterns and trends.
- Performed data cleaning and preparation to improve data quality for further analysis.

## PROJECTS

- Implementing Water Sort game using Java
- Implementing Residence Application Website using C#
- Find the shortest path in Potholes Route for automated cars using Python.
- Implementation of Boids Reinforcement Learning using Python

## ADDITIONAL QUALIFICATIONS.

- ❖ **Quantum Computing:** QBRONZE Diploma in Quantum Computing and Programming (Qiskit).
- ❖ **App Development:** Participated in MTN App Academy, learning Flutter and Kotlin for mobile app development.
- ❖ **Machine Learning:** Attended a summer school by NITheCS and CHPC, covering Python, version control, and ML basics.

## REFERENCES

**Name of the person:** MR MOFOKENG MOEKETSI JAN

**Contact Number:** 0788302127

**Name of the person:** MS MOKOENA DIKELEDI



MARGARET

**Contact Number:** 0719271950

**Name of the person:** MS IREEN MTHIMKULU

**Contact Number:** 0675953034