

# MADIBOGO DIKELEDI PORTIA

## ASPIRING SOFTWARE DEVELOPER

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### Professional Summary

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I am an Information Technology undergraduate from the Vaal University of Technology with a strong passion for software development and innovation. I am an open-minded individual with a practical approach to problem-solving and a keen interest in continuous learning. I possess a solid foundation in Java programming, Object-Oriented Programming (OOP), and the software development life cycle. Motivated to apply my academic knowledge and hands-on project experience to real-world challenges, I aim to contribute effectively as a **Software Developer Intern**, while expanding my technical expertise and professional growth within the IT industry.

### Education

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#### National Senior Certificate (Matric)

Radikgobethe Secondary School | 2022

**Diploma in Information Technology** (Software Development)  
Vaal University of Technology

**Expected Completion:** 2025

**Key Coursework:** Object-Oriented Programming (Java), Database Design and Implementation, Software Development Life Cycle (SDLC), Front-End Web Technologies, Systems Analysis and Design

### Certifications

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- **CCNA Introduction to Networks**
- **IT Essentials: PC Hardware and Software (Cisco Networking Academy)**

### Skills

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- **Soft Skills:** Effective Communication - Teamwork - Problem-Solving - Adaptability - Time Management
- **Technical Skills:** HTML, CSS, JavaScript, Java ,PHP, SQL, Windows, Database Design and Management
- **Professional Skills:** Microsoft Office (Excel - Word - PowerPoint) - Report Writing and Analysis - Project Management - Developing Technical Solutions

### Personal Projects

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#### Credit Card Fraud Detection | GitHub Repo: [credit-card-fraud-detection](#)

Developed a machine learning model to detect fraudulent credit card transactions from a large, imbalanced dataset.

- Engineered features and pre-processed large transaction datasets using Python and Pandas to prepare data for model training.
- Built, evaluated, and fine-tuned multiple classification models (Logistic Regression, Random Forest) to accurately distinguish between legitimate and fraudulent activity.
- Visualized model performance using metrics like ROC curves and confusion matrices to communicate accuracy and business impact.
- **Technologies Used:** Python, Pandas, Scikit-learn, Matplotlib, Jupyter Notebook, Git.

### Vut-Cafeteria | GitHub Repo: <https://github.com/Dikeledi123/vut-cafeteria>

Developed a fully functional cafeteria web platform for Vaal University of Technology students.

- Implemented responsive front-end interfaces using HTML, CSS, and JavaScript to ensure accessibility across devices.
- Built dynamic server-side functionality with PHP and MySQL to manage user orders, menus, and cafeteria updates.
- Integrated form validation and DOM manipulation with JavaScript to improve user interaction and data accuracy.
- Deployed and version-controlled the project using Git for collaboration and maintenance.

## Languages

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**English:** Proficient

## References

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**Mentor**