

# Mpho Matseka

Software Developer / Aspiring Full Stack Engineer

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## Profile Summary

Final-year IT student at VUT specializing in Software Development. Passionate about building data-driven applications and AI solutions. Completed certifications in AI, cloud computing, cybersecurity, and full-stack development. Seeking opportunities in software engineering and AI integration projects.

## Technical Skills

**Frontend:** HTML, CSS, JavaScript, React, Tailwind CSS, Material UI

**Backend:** Java, Python, Flask, Spring Boot

**Databases:** SQL, PostgreSQL

**AI/ML:** Python, Scikit-learn, basic NLP, data analytics

**Cloud & Tools:** Oracle Cloud, Microsoft Azure, Git/GitHub, Docker

**Other:** Agile/Scrum, problem-solving, debugging

## Projects

### Credit Card Fraud Detection

- Python, Scikit-learn, Flask, visualization. AI model for anomaly detection in financial data.

### Student Records Management System

- Java GUI app using AWT and ArrayLists for student record management.

### Pitch Perfect AI

- Web app using Google Gemini for real-time speech analysis and feedback for public speaking improvement.

## Education

### Diploma in Information Technology (Software Development)

Vaal University of Technology, South Africa (Final Year)

## Certifications

- Oracle Cloud Infrastructure 2025 Certified AI Foundations Associate
- Microsoft Azure AI Fundamentals (AI-900)
- IBM Data Fundamentals
- CCNA v7: Introduction to Networks (Cisco)
- Introduction to Cybersecurity (Cisco)
- Full Stack Development Certificate (IT Varsity)