

# NKOTOLANE PITSO GINTOS

ASPIRING SOFTWARE DEVELOPER

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**LinkedIn:** [linkedin.com/in/pitso](https://www.linkedin.com/in/pitso) | **GitHub:** [github.com/Pitso4859](https://github.com/Pitso4859) | **Portfolio:** [github.io/Pitso/](https://github.io/Pitso/)

## PROFESSIONAL SUMMARY

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Passionate software developer and IT graduate with experience building full-stack, mobile, and AI-driven applications using Java, Spring Boot, React Native, MySQL, HTML, CSS, and Firebase. I enjoy solving complex problems and creating software that improves user experiences and drives efficiency. Motivated by the opportunity to innovate and continuously learn new technologies, I strive to deliver high-quality, impactful solutions. I am seeking a Frontend, Java, or Full-Stack Developer role in a forward-thinking company where I can contribute to meaningful projects and grow my technical expertise.

## EDUCATION

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### Diploma in Information Technology

Feb 2023 -Nov 2025

Vaal University of Technology

**Key Coursework:** Object-Oriented Programming, Database Design and Implementation, Software Development Life Cycle (SDLC), Front-End Web Technologies, Systems Analysis and Design, Web Development, Business Analysis, Applied Communication Skills, Networking, Cloud Computing.

## Technical Skills

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**Backend:** Java, OOP, Python, Spring Boot Framework, Web API, Maven, JDBC, Thymeleaf, Tomcat

**Frontend Technologies:** React Native, Thymeleaf, Bootstrap, HTML5, CSS3, JavaScript

**Databases & ORM:** MySQL, Postgres, Firebase Firestore, Spring Data JPA, Node.js, Hibernate

**DevOps & Deployment:** Git, GitHub, GitHub Actions, Docker, Azure, CI/CD

**Core Concepts:** Problem Solving, Data Structure, Algorithm, SOLID, Design Patterns, N-tier

**Soft Skills:** Teamwork, Research, Time Management, Communication Skills

## Projects

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### Credit Card Fraud Detection |Python, Scikit-learn, Pandas, Jupyter Notebook July 2025 – Oct 2025

Developed a machine learning model to accurately classify high-risk credit card transactions within an imbalanced dataset. Conducted advanced feature engineering, exploratory data analysis, and model validation to optimize performance. Enhanced detection reliability through algorithm tuning and metric-driven improvements while addressing real-world challenges related to fraud patterns and classification accuracy.

**Source Code:** [github.com/BA-3-2-Mavuti/Credit-Card-Fraud-Detection](https://github.com/BA-3-2-Mavuti/Credit-Card-Fraud-Detection)

### AI Interview Coach | Python, NLP, ML, React

Oct 2025 – Nov 2025

Architected and built an AI-powered mock interview platform supporting real-time coaching, voice transcription, and screen-assisted guidance. Implemented NLP algorithms for automated scoring and feedback while designing a modern React-based UI for interview practice and performance review.

Utilized machine learning techniques to enhance answer evaluation accuracy.

**Source Code:** [github.com/Pitso4859/ai-interview-coach](https://github.com/Pitso4859/ai-interview-coach)

### **Examination System | Spring Boot, Java, MySQL, Bootstrap**

**Oct 2025 –Nov 2025**

Engineered a secure, role-based online examination management system with automated grading and analytics. Developed exam creation, scheduling, and question bank management while integrating Spring Security for protected authentication. Applied scalable backend logic, REST architecture, and responsive UI design.

**Source Code:** [github.com/Pitso4859/examination-system](https://github.com/Pitso4859/examination-system)

### **GIGConnectSkill SA – FNB App of the Year Hackathon | React Native, Firebase**

**Oct 24–27, 2025**

Participated in a national hackathon and developed a gig-matching mobile prototype linking informal workers to clients. Facilitated multi-role workflows including job posting, acceptance, proof submission, and payments. Applied rapid prototype development, Firebase integration, and team-based agile collaboration.

**Source Code:** [github.com/Pitso4859/GIGConnectSASkill](https://github.com/Pitso4859/GIGConnectSASkill)

## **Certifications**

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Azure Fundamentals (AZ-900) | DevOps Professional (2025) | Networking Basics | Introduction to Cybersecurity | JavaScript Essentials 2 | Introduction to Networks | Operating Systems Basics (2025) | HTML Essentials (2025) | Spring Boot for Beginners – Amigoscode | Git & GitHub Fundamentals – Amigoscode | Java (Data Structures) | Java (OPP) |

## **Languages**

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- **English:** Fluent      **Sepedi:** Fluent

## **References**

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Available Upon Request