

# NKOTOLANE PITSO GINTOS

## ASPIRING SOFTWARE DEVELOPER

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### Professional Summary

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Motivated and analytical IT graduate with a completed Diploma in Information Technology, passionate about transforming technical knowledge and creativity into real-world software solutions. Experienced in designing and developing database-driven and mobile applications using **Java**, **Spring Boot**, **MySQL**, and **React Native**, with a strong foundation in programming, software development, and networks. Demonstrates proven ability in research, data analysis, and teamwork across multidisciplinary projects, consistently delivering results under tight deadlines. Eager to join **BBD's Graduate Programme** to contribute to live projects, learn from industry mentors, and grow into a skilled **full-stack software professional** within a fast-paced, innovative environment.

### Technical Skills

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- **Programming Languages:** Java, JavaScript, Python
- **Back-End Development:** Spring Boot, Rest APIs, Hibernate, Maven, JDBC, Tomcat
- **Front-End Development:** React Native, Thymeleaf, Bootstrap, HTML5, CSS3
- **Databases:** MySQL, Firebase Firestore, PL/SQL, Postgres
- **Cloud & DevOps:** Microsoft Azure, Docker
- **Version Control:** Git, GitHub, Postman
- **Software & Development Tools:** IntelliJ IDEA, VS Code, NetBeans, Cursor, MySQL Workbench
- **Networking & Cybersecurity Knowledge:** Computer Networks, Operating Systems Fundamentals, Cybersecurity Essentials
- **Professional Skills:** Microsoft Office (Excel - Word - PowerPoint), and Project Management Developing Technical Solutions

### Graduate Strengths

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- Strong analytical thinking and problem-solving ability
- Excellent communication and collaboration in team settings
- Quick learner with initiative and self-drive
- Passion for building software that solves real-world problems
- Attention to detail and ability to manage time effectively

### Education

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#### Diploma in Information Technology

Vaal University of Technology | Completed November 2025 — Graduation: April 2026  
Focused on computer programming, networks, software development, and IT systems.

## National Senior Certificate

Sekgosese Secondary School | 2020

## Experience

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### Volunteer Tutor | Software Development Department

Vaal University of Technology

April 2024 - May 2025

- Provided academic support and mentorship to first year students in software development and programming modules.
- Assisted with Java, SQL, and web development concepts through one-on-one and group sessions.
- Helped learners troubleshoot code, understand project requirements, and apply problem solving strategies.
- Encouraged peer learning and contributed to a collaborative academic environment.

## PROJECT EXPERIENCE | [link](#)

### Personal Portfolio Website | [link](#)

**Tech Stack:** Spring Boot, Thymeleaf, CSS, MySQL

- Built and deployed a responsive portfolio website to showcase projects.
- Integrated a dynamic, MySQL-connected contact form for real-time submission storage.

### GIGConnectSkill SA – FNB App of the Year Hackathon | [link](#)

**Tech Stack:** React Native (Expo), Firebase (Auth & Firestore), React Native Paper

- A mobile-first marketplace connecting informal workers with clients.
- Architected secure Firebase Authentication, real-time job/payment workflows (Firestore), and integrated geolocation with photo-proof submissions.
- Delivered a fully functional prototype in 48 hours as part of a multidisciplinary team.

### AI-Powered Credit Card Fraud Detection | [link](#)

**Tech Stack:** Python, scikit-learn, pandas, imbalanced-learn, matplotlib

- Engineered a machine learning pipeline to detect real-time fraudulent transactions, reducing false positives by 35%.
- Implemented feature engineering and SMOTE to handle class imbalance.
- Evaluated and optimized Logistic Regression and Random Forest models, visualizing results with matplotlib.

## Certificates

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- Oracle Cloud Infrastructure 2025 Certified DevOps Professional (**Oct 2025**)
- Microsoft Certified: Azure Fundamentals (AZ-900) (**Nov 2025**)
- Networking Basics – Cisco Networking Academy (2025)
- JavaScript Essentials 2 – Cisco Networking Academy
- Introduction to Cybersecurity – Cisco Networking Academy
- Introduction to Networks – Cisco Networking Academy
- HTML Essentials (Oct 2025)
- Operating Systems Basics (Oct 2025)
- Spring Boot for Beginners – Amigoscode

- Git & GitHub Fundamentals – Amigoscode

## Languages

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English: Proficient

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## References

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Career Kick Start Program