NDUDUZO NKOSIKHONA TEMBE

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LinkedIn | GitHub: github.com/nduhh | Portfolio: nduduzodev.ac.za | Live project: heartizfood.co.za

PROFESSIONAL SUMMARY

Junior full-stack and mobile developer with a Diploma in Computer Science from Tshwane University of Technology. Built and deployed a live restaurant ordering platform (Heartiz Food), a role-based Django intranet during work-integrated learning, a real-time OCR scanner in React Native, and Mzansi Rides, a Flutter taxi app with ride requests and real-time transport tracking. Skilled in Python, Django, Flutter, React Native, JavaScript and Java, and motivated to solve real-world problems with practical technology.

TECHNICAL SKILLS

- **Languages:** Python, Java, JavaScript, TypeScript, Kotlin, Dart, HTML/CSS, SQL
- **Frameworks:** Django, Flutter, React Native, Java EE (JEE), Django Channels
- **Databases & APIs:** PostgreSQL, MySQL, Oracle SQL, PL/SQL, Redis, REST APIs, Google Gemini API, Google ML Kit
- **Tools & Deployment:** Git, GitHub, Linux/Ubuntu, Nginx, Vercel, VS Code, Figma, Jira, Confluence, Unity, Microsoft Office

WORK EXPERIENCE (WIL)

Full-Stack Developer (Work-Integrated Learning) | NSK IT Solutions, Bedfordview | August 2025 – February 2026

- Built a role-based intranet system for internal communication and employee management, working independently.
- Implemented secure role-based access control and content management features.
- Developed frontend interfaces and backend functionality with PostgreSQL database integration.
- Improved organisational workflow and information sharing.
- Worked with Git, Jira, Confluence, Figma and Draw.io.

Technologies: Python, Django, PostgreSQL, HTML, CSS, JavaScript

PROJECTS

Mzansi Rides App | Side project | View project

- Developed a taxi transportation app focused on commuter travel and route accessibility.
- Implemented ride request functionality and real-time transport tracking.
- Designed driver and passenger management features for improved communication.

Technologies: Flutter, Django, REST APIs, real-time data handling, HTML, CSS, JavaScript

Heartiz Food: Restaurant Website & Online Ordering System | heartizfood.co.za | Client project

- Designed, built and deployed a restaurant website with digital menu, cart, and dine-in and takeaway ordering.
- Built teller, kitchen and manager dashboards with real-time order status updates using Django Channels and Redis.
- Configured the domain, SSL, Nginx and cloud hosting on Ubuntu.

Technologies: Python, Django, PostgreSQL, Django Channels, Redis, Nginx, JavaScript

My Math Teacher: AI Mathematics Learning Platform | Personal project

- Built a CAPS-aligned Grade 8–12 maths platform with an AI tutor and AI-powered question marking using the Google Gemini API.
- Developed student, parent and teacher accounts with performance tracking, XP, streaks and mastery tracking.

Technologies: Django, Flutter, Dart, PostgreSQL, REST APIs, Google Gemini API

Real-Time OCR Text Scanner Application | Academic project, Fluid Intellect

- Developed a mobile OCR app that captures and extracts text from live camera feeds.
- Implemented structured text formatting and AI-powered word and contract explanation.
- Integrated real-time image processing and text analysis.

Technologies: React Native, Google ML Kit, Vision Camera, OCR, APIs, JavaScript

EDUCATION

Diploma in Computer Science, Tshwane University of Technology | Completed 2025
Relevant modules: Java, JavaScript, Kotlin, HTML & CSS, Assembly, Java EE (JEE), Oracle SQL, PL/SQL, Software Engineering, Object-Oriented Programming, Computational Mathematics for Problem-Solving

ACHIEVEMENTS

- Gold Medal, Engineering Project (2019), Eskom Expo for Young Scientists
- Bronze Medal, Innovation Project (2018), Eskom Expo for Young Scientists

REFERENCES

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