ZENANDE KALIPA
INFORMATION TECHNOLOGY STUDENT

Contact

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TECHNICAL SKILLS

Programming Languages:
Java (In Progress)
MySQL (In Progress)

Database Management:
MySQL (In Progress)

Operating Systems:
Windows

Data Analysis & AI:
Machine Learning (2024)
PowerBI (In Progress)

PROFILE SUMMARY

I am a dedicated and ambitious third-year student in Information and Communication Technology (Applications Development) at Cape Peninsula University of Technology, with a strong foundation in programming, databases, data analysis, networking, cybersecurity, and artificial intelligence. My passion for technology drives me to continuously learn and apply my skills to real-world challenges. I enjoy tackling complex problems and have honed my problem-solving and analytical thinking skills through various coursework projects. Beyond my technical expertise, I have excellent communication and teamwork abilities, allowing me to collaborate effectively in group settings while also working independently when needed. I am eager to apply my knowledge and contribute to innovative projects in the industry.

EXPERIENCE

I have worked on the following projects:

Uber Ambulance Application (University Project)

- Developed a Kotlin and Java based application system
- Implemented **CRUD operations** and an intuitive UI for better usability.
- Applied **object-oriented programming (OOP)** principles to enhance code efficiency.

Car Voting System (University Project)

- Developed a Java based application system

Productivity Software Application:

Word (2023)

Excel (In Progress)

Additional Skills

- Problem Solving

- Communication

- Team work and collaboration

- Time management

- Used Java Swing objects for graphical user interface(GUI) and MySQL for backend database management.

MySQL AND RELATIONAL DATABASES

(University Project)

- Wrote a report on the application of SQL and its developments.

- Wrote SQL statement queries for a set of ERD diagrams.

- Created a database and connected our SQL application

Certifications

LinkedIn Courses

- Software Design: UML Modelling
- Agile Foundations
- Software Architecture Foundations
- Learning SQL Programming
- SQL Tips and tricks for Data Science

Education

SECONDARY EDUCATION

Berlin High School | Berlin, Eastern Cape

Years of schooling: Jan 2018 - DEC 2022

Matriculated: 2022

Qualification: Matric, National Senior Certificate (NSC)

TERTIARY EDUCATION

CAPE PENINSULA UNIVERSITY OF TECHNOLOGY | DISTRICT 6, CAPE TOWN

Qualification: Diploma in Information Technology

Year of study: Final Year