

PRECIOUS THANDEKA MOLAPO

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PROFILE

ICT graduate specializing in web application development (Django) and data analysis. Experienced in building full-stack applications with secure role-based systems and interactive dashboards. Skilled in data cleaning, preprocessing, visualization (Matplotlib, Plotly, Streamlit), and interpreting insights to support decision-making. Strong problem-solving, teamwork, and communication skills, with a passion for creating practical, user-focused solutions.

EDUCATION

Advanced Diploma in Information and Communication Technology (ICT) in Application Development

Sol Plaatje University | Feb 2025 – Dec 2025

Diploma in Information and Communication Technology (ICT) in Application Development

Sol Plaatje University | Feb 2022 - Dec 2024

PROJECTS

Digital Will System – Django Web Application

- Designed and developed a full-stack web application with structured database models and role-based system architecture
- Implemented secure CRUD operations and user authentication for multiple roles (Admin, Testator, Lawyer)
- Developed backend logic and ensured efficient data handling using relational database principles
- Planned project milestones, tracked development progress, and managed documentation to ensure timely delivery
- Managed version control using Git

Employee Attendance System – Django Web Application

- Collaborated in a team to design and develop a role-based attendance management system
- Built backend logic and database relationships to support real-time attendance tracking
- Implemented dashboards and reporting features for different user roles
- Coordinated tasks within a 4-member team, tracked progress using Git, and ensured timely completion of deliverable

Education Analytics Dashboard – Data Analysis Project

- Supported development of an interactive Education Analytics Dashboard using Python and Streamlit
 - Performed data cleaning, preprocessing, and visualizations (Matplotlib, Plotly) to identify trends
 - Assisted in interpreting predictive model outputs (Random Forest) to identify students potentially at risk, focusing on visualization and data-driven insights.
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TECHNICAL SKILLS

- **Languages:** Python, Java, SQL, JavaScript
- **Frameworks & Tools:** Django (full-stack development), HTML, CSS, Git (branching, merging), SQLite
- **Data Analysis & Visualization:** Python (Matplotlib, Plotly), Streamlit dashboards, Excel (data cleaning, charts, basic analytics)

SOFT SKILLS

- Communication (explaining technical concepts)
 - Leadership
 - Problem-solving & Critical Thinking
 - Time Management & Task Prioritization
 - Teamwork & Collaboration
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WORK EXPERIENCE

- **Core Curriculum Tutor** (July - Nov 2023) – Trained first-year students in Microsoft Office & Teams, explaining technical concepts.
 - **Peer Academic Advisor** (Jan - Nov 2024) – Provided guidance on academic planning, time management, and exam preparation.
 - **Project Management Tutor** (July - Nov 2024) – Tutored students in project evaluation methods (NPV, IRR, ROI, EMV, payback period) and supported structured decision-making and financial analysis.
 - **Data Analysis and Visualization Tutor** (July - Nov 2025) – Guided students in data cleaning, preprocessing, and visualization using Python, Excel, and charting libraries.
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REFERENCES

Ms. Bonolo Morebodi - Academic Advisor - Faculty of Education, Sol Plaatje University
Email: bonolo.morebodi@spu.ac.za or morebodibb@gmail.com | Phone: 067 686 9618
Relationship: Line Manager

Mr. Melvin Kisten - Lecturer - Faculty of Natural Applied Sciences, Sol Plaatje University
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Relationship: Employer