

RAMOKHELE MANYELI

Bachelor of Commerce - Informatics (Information Systems)

Energetic, inquisitive, intelligent and a resourceful problem solver

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PROFESSIONAL PROFILE

I am a Bachelor of Commerce in Informatics graduate from the University of Pretoria, having specialised in Information Systems with a focus on Statistics & Data Science. With a strong foundation in data analytics, statistical modelling, and machine learning, I am eager to launch my career as a data professional. I excel at transforming complex datasets into actionable business insights and thrive in collaborative environments where I can apply both technical expertise and business acumen. I am committed to continuous learning and making a meaningful impact through data-driven decision-making.

EDUCATION | QUALIFICATION

Current: **Bachelor of Commerce Honors | University**
University of Pretoria, Pretoria, South Africa
Majors: Informatics

2023 - 2025: **Bachelor of Commerce | University**
University of Pretoria, Pretoria, South Africa
Majors: Statistics & Data Science, Informatics
Final GPA: (70% Average)

SHORT COURSES | TRAINING | CERTIFICATES

- Behavioural Aspect of Project Management Badge | University of Pretoria | 2024
- Ready for Work Programme | University of Pretoria Enterprises | 2024
- HTML, CSS, and JavaScript for Web Developers | John Hopkins University (Coursera) | 2024
- Foundational SQL | FreeCodeCamp | 2024
- Microsoft PowerPoint Badge | University of Pretoria | 2023

WORK EXPERIENCE

Student Intern | 2025

EPI-USE | Full-time

Key Responsibilities

- Interned as Team Leader on an end-to-end career development platform project
- Led development team in building comprehensive career and development platform
- Designed and implemented AI-powered features including chatbot, recommendation system for milestone optimisation, and sentiment analysis for consultant feedback
- Developed intelligent system to assist managers in improving milestone assignment and goal setting based on data-driven insights

KTG Admin Team Member | 2024 - 2025

Keep That Gold (KTG) - UP EBIT JCP Module | Part-time

Key Responsibilities

- Organised and coordinated all KTG-related events for the compulsory UP EBIT JCP module
- Managed event logistics, scheduling, and student engagement activities
- Collaborated with academic staff to ensure seamless integration of events with curriculum requirements
- Supported student participation and facilitate community-building initiatives within the EBIT faculty

TECHNICAL PROJECTS

SkillsSync – Career and Development System | 2025

- Developed a full stack web application for EPI-USE Africa aimed at solving promotion bottlenecks and efficient milestone assignment, transitioning their system from paper based to a fully functional web application with mobile access.
- Obtained a top 10 finish with an average of 88% for the module and were nominated for best overall system and best fit-for-purpose system.

Expected Goals (xG) Model – Football Analytics | 2025

- Built an interpretable ML xG model with automated data processing, feature engineering, and calibrated probability outputs
- Designed reproducible analytics workflow (EDA → model training → interpretation → visualization) with scripts + Jupyter notebooks
- Evaluated feature impact and conducted class imbalance experiments to improve scoring probability estimation accuracy

GenoBase - Employee Health & Wellness Platform | 2025

Data Analytics & Full-Stack Development | Personal Project

- Developed employee wellness platform with integrated health analytics dashboard tracking biomarkers, lifestyle metrics, and risk assessments
- Built data visualization components using Recharts to display trends in glucose levels, cholesterol, blood pressure, and activity patterns over time
- Designed risk calculation algorithms based on clinical guidelines (ADA, AHA) analysing multiple data points to generate diabetes and cardiovascular risk scores
- Implemented aggregation queries for company-level analytics, providing department comparisons and anonymized health metrics
- Created correlation analysis features identifying patterns between lifestyle factors (sleep, exercise, diet) and biomarker outcomes
- Utilized PostgreSQL with complex joins and indexes for efficient querying of time-series health data across multi-tenant architecture

Database Management System | 2021 - Present

Khanya Dental Clinic | Vocational Work

- Built a small-scale database management system using VBA for a large operating dental clinic
- Transitioning paperback file management to digital solution
- Currently rebuilding the system to allow online usage and remote desktop access
- Improving system accessibility and user experience for all clinic staff

KEY COMPETENCIES AND SKILLS

- **Leadership & Mentorship** - Proven ability to lead development teams and mentor peers, demonstrated through team leadership role at EPI-USE and selection as Rotary Club Vice President
- **Communication** - Adept at articulating complex technical concepts to diverse audiences and presenting data-driven insights to stakeholders
- **Analytical Problem-Solving** - Persistent and methodical approach to challenges, employing multiple strategies and data-driven decision-making to find optimal solutions
- **Adaptability & Learning Agility** - Quick to master new technologies and frameworks, with demonstrated success across multiple programming languages and development environments
- **High levels of adaptability** - exposure to various industries and unique work cultures.
- **Resilient** - when it comes to a problem, I rarely give up, instead I am persistent and try different approaches.
- **Teamwork** - I am a keen collaborator having been selected as the Rotary Club Vice President during high school, attests to my ability to communicate and earn the respect of my peers.

TECHNICAL SKILLS

Programming Languages

- C# - ASP.NET MVC development
- SQL - Database design and management
- Python - Data analysis and machine learning
- JavaScript - Frontend development
- R - Statistical analysis and data visualization
- VBA - Business automation solutions

Web Development

- Frontend: HTML5, CSS3, Bootstrap, jQuery, Angular, Ionic, ReactJS
- Backend: ASP.NET MVC, .NET Web APIs, C#
- Database: SQL Server, database design
- Responsive Design: Mobile-first development approach

Mobile Development

- Cross-Platform: Ionic Framework

DevOps & Cloud

- Version Control: Git, GitHub workflows, and collaboration
- CI/CD: Pipeline development and automated deployment
- Cloud Hosting: Microsoft Azure deployment and management
- Development Workflow: Agile methodologies, code reviews

Data Science & Analytics

- Statistical Analysis: R, Python, SAS
- Data Visualization: PowerBI, statistical modelling
- Machine Learning: Predictive analysis, data mining
- Database Management: SQL, data modelling

Tools & Platforms

- Microsoft 365 Suite: Word, Excel, Access, PowerBI, Visual Studio
- Project Management: Jira, Confluence, Atlassian
- Version Control: Git, GitHub
- Development: Visual Studio, various IDEs

REFERENCES

Available upon request