Given Phakane Makofane

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Johannesburg

CS Graduate | Analytical Thinker | Lifelong Learner

Motivated Computer Science graduate with a strong foundation in programming, data analysis, and problem-solving. Passionate about applying technical skills and curiosity to solve real-world challenges in professional environments. Adaptable and eager to contribute to technology, business, or analytical projects.

EDUCATION & CERTIFICATIONS

PG Diploma in Science in the Field of Innovation and Entrepreneurship – University of the Witwatersrand	currently
Bachelor's degree in computer science – University of the Witwatersrand	2025
National Senior Certificate – Phafane Secondary School	2022

TOOLS & TECHNOLOGIES

- Programming Languages: Python, Java, C++
- Data & Analytics Tools: Power BI, Excel, Power Query, Basic DAX
- Other Tools: Microsoft Word, PowerPoint

PROFESSIONAL EXPERIENCE

SAGEA | Virtual internship   2025 - 2025
Job Title: Quantify your Future (QYF) intern

Participated in a structured virtual internship focused on developing quantitative, analytical and employability skills. Gained practical experience in data analysis, problem-solving, research, and presenting insights through real-world case studies aligned with South Africa's skills and labor market challenges.

- **HEMIS Project:** Analyzed data from the Higher Education Management Information System (HEMIS) to investigate trends in student enrolment, graduation outcomes and skills alignment within South African higher education. Developed evidence-based insights and recommendations to support improved education-to-employment alignment and Presented findings in a structured report, demonstrating data interpretation, communication and professional reporting skills.

University of the Witwatersrand | Johannesburg   2024 - 2025
Job Title: Academic Tutor

Worked as a tutor for Introduction to Data Structures and Algorithms and Basic Computer Organisations, providing academic support to students through tutorials, problem-solving sessions, and concept clarification. Assisted students in developing strong foundational understanding by explaining complex topics clearly and reinforcing key principles.

- **Courses:** Introduction to data structures and algorithms, Basic Computer Organisations

Job Title: Lead student Mentor

Served as a student mentor, providing guidance and support to students by assisting with academic adjustment, time management, and navigating university life. Fostered a supportive learning environment by offering advice, encouragement, and referrals to relevant resources when needed.

Job Title: Gateway to success (GTS) intern

Responsible for overseeing the catering coordination portfolio during the Gateway to Success (GTS) programme, including planning catering schedules, coordinating food delivery, and managing the distribution of meals throughout orientation week. Ensured smooth operations by liaising with service providers and internal stakeholders, monitoring logistics, and addressing issues promptly to support a successful programme experience.

PERSONAL PROJECTS

Sales Insights Dashboard Power BI: *GitHub link*

- Built an interactive Power BI dashboard to analyze sales trends by product, region, and time, using cleaned and transformed data.
- Created clear visualizations and KPIs to identify revenue drivers and sales spikes, including the impact of high-value products.
- Applied foundational data analytics skills (Power Query, basic DAX, data visualization) to generate actionable business insights.

School Website Development (Phafane School): *GitHub link*

- Built a responsive school website using **React.js** and **Tailwind CSS**, with reusable components for pages and navigation.
- Optimized layout for desktop and mobile screens, improving user experience and accessibility.
- Documented technical decisions and implemented solutions for design and functionality challenges.
- **Tech Stack:** React.js, Tailwind CSS, JavaScript, OpenAI, CMS integration

Planit Event Planner WebApp (Final year project): *GitHub link*

- Documented technical decisions and implemented solutions for design and functionality challenges.
- Led a team project as **Project Manager**, coordinating tasks, timelines, and Agile Scrum meetings
- Set up and managed **Trello boards** to organize workflows and track project progress
- Served as **Documentation Lead**, authoring and coordinating the final group project report
- Supported **full-stack development** as needed across front-end and back-end components

CLUBS AND SOCIETIES

- Wits learn to swim – 2025
- Wits Data Science – 2025
- Youth Of Peace – 2025
- Wits Data Science – 2025
- Wits War Game (eSports) - 2024
- History Makers - 2024
- Bapedi Re Nabile – 2023
- Wits War Games (eSports) – 2023

AWARDS & CERTIFICATIONS

- Academic achievement (Wits University): Distinction in Database fundamentals and Introduction to algorithms and programming – 2025
- National Senior Certificate – Phafane Secondary – 2022