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Midrand, GP 1685



[Bold Profile](#)

## EDUCATION

Bachelor of Science,  
Environmental And Water  
Sciences

**University of The Western  
Cape**, Bellville, South Africa  
Expected in September 2025  
65% GPA

# MASEKETE MANAMELA

Front-end web developer and environmental and water  
scientist

## OBJECTIVE

A self-taught Front-End Web Developer with hands-on experience in building responsive, user-friendly websites using HTML, CSS, JavaScript, jQuery, Bootstrap, and Git. Currently seeking short-term opportunities to apply my skills in real-world projects while continuing to grow as a developer. With a strong academic background in Environmental and Water Sciences, I am also passionate about using technology to support environmental awareness and sustainable digital solutions. In the medium term, I aim to transition into full-stack development and contribute to projects that combine innovation with environmental impact.

## SKILLS

### Technical & Web Development Skills

- Responsive Web Design (Mobile-first approach)
- Web Accessibility & Cross-Browser Compatibility
- Version Control & Collaborative Development
- Water Quality Analysis (pH, conductivity, turbidity, metals)
- Environmental Sampling & Monitoring
- Fieldwork Data Collection & Interpretation
- Problem-solving & Critical Thinking
- Adaptability & Willingness to Learn
- Team Collaboration & Communication

- HTML5, CSS3, JavaScript (Vanilla & jQuery)
- Bootstrap, Git & GitHub

- UI/UX Basics & Debugging

### Environmental & Scientific Skills

- Pumping Test Analysis (aquifer assessments)
- Lab Procedures & Scientific Reporting

### Soft Skills

- Attention to Detail
- Time Management & Task Prioritization

## EXPERIENCE

June 2024 - Current

**The Kota-Plug - Front-End Web Development and Designer(portfolio)**, Midrand, South Africa

- Designed and developed a responsive web application for township-based food delivery using HTML, CSS, JavaScript, jQuery, and Bootstrap.

- Built dynamic UI components for menu browsing, custom Kota creation, and location-based vendor search.
- Integrated Git version control and practiced agile development principles through self-managed sprints.
- Focused on user experience by optimizing layout, color schemes, and mobile responsiveness for seamless navigation.

February 2021 - June 2025

**University of the Western Cape-BSc Environmental and Water Science - Environmental Science Practicum Student**, Bellville, South Africa

- **Performed pumping test analysis** to assess groundwater yield and aquifer properties, contributing to sustainable water resource management strategies.
- **Conducted water quality analysis** in both field and laboratory settings, testing for parameters such as pH, turbidity, conductivity, and metal concentrations.
- **Gained hands-on lab experience** preparing and analyzing water and soil samples using standard environmental monitoring techniques.
- **Applied scientific methods** to evaluate environmental data, strengthening problem-solving skills and attention to detail in real-world scenario

July 2024 - October 2024

**Superspar - Till Packer (Customer Assistant)**, Kuils River, South Africa

- Assisted in packing customer groceries efficiently at checkout, helping reduce wait times and improve the shopping experience.
- Maintained a clean and organized packing area, contributing to smooth store operations and positive customer interactions.
- Demonstrated reliability, punctuality, and a strong work ethic in a high-paced retail environment.
- Worked collaboratively with cashiers and floor staff to ensure seamless service delivery during peak hours.

January 2021 - February 2021

**Seeds of Hope - Tutor**, Ivory Park, South Africa

- Provided homework assistance using specific curriculum and materials.
- Motivated students towards learning and studying to build self-confidence and reduce fear of failure.
- Supported students with helpful study habits and exam strategies.
- Collaborated with students to complete homework assignments, identify lagging skills, and correct weaknesses.

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## ACCOMPLISHMENTS

Part of the USSAVI 2025 program