**CASSANDRA MZOLA**  
*Environmental Scientist | Data Analyst | Sustainability Advocate | ESG & Science Communicator | Entrepreneur*  
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**Summary**

Environmental Scientist and Data Analyst with experience in sustainability, ESG, and science communication. Entrepreneurial thinker, founder of **EcoAnalytics**, a data-driven solution for efficient city waste management, and creator of **Earth Connect**, delivering accessible sustainability education. Skilled in bridging science and society, data analytics, and environmental project management, with experience in national and international programs, virtual internships, and public engagement initiatives.

**Experience**

**SARAO – South African Radio Astronomy Observatory**  
*Science Engagement Intern* | May 2025 – Present | Gauteng, South Africa

* Conduct educational tours, workshops, and community outreach.
* **Interactive Online Platform:** Developed a digital engagement tool presented at the Communicating Discovery Science Symposium 2024 and African Astronomical Society Conference 2025.
* Develop and support sustainability initiatives, including Environmental Management Plans (EMP).
* **Women of Worth (WoW):** events lead for the women empowerment initiative.

**Virtual Internships & Data Analytics Projects**

* **KPMG Australia – Data Analytics Consultant** | Oct – Nov 2023
* **Accenture – Virtual Data Analytics Intern** | Nov 2023
* Conducted data cleaning, modeling, visualization, and reporting.
* Built dashboards and delivered insights to inform strategy.
* Applied environmental and sustainability focus to data-driven solutions.

**Entrepreneurship & Sustainability Initiatives**

* **EcoAnalytics:** Founded a data-powered platform to help cities manage waste more efficiently and reduce environmental harm. Pitched at JAMII Femmes Program (Mar 2024) and BRICS Women’s Startup Contest (Jul 2024).
* **Earth Connect:** Developed sustainability education platforms for public engagement through social media and interactive content.

**University of the Western Cape**

* *Creative Arts Choir – Social Media Manager & Deputy Secretary* | Aug 2018 – Jan 2021
* Proposed, created, and managed the choir’s social media, increasing visibility and engagement.
* *Peer Facilitator/Mentor – Office for Student Development* | Jan 2019 – Feb 2019
* Supported first-year students’ transition from high school to university.
* *Aid to Executive Convener: Admin & Associate Chair for Social Media & PR – Green Campus Initiative* | Mar – Jul 2019
* Managed PR and social media for the 4IR Conference and assisted with administrative tasks.

**Education**

**University of the Western Cape** – BSc Environmental and Water Sciences | Jan 2018 – Mar 2022  
**Hoërskool Coligny** – National Senior Certificate | Jan 2012 – Dec 2016

**Certifications**

* Data Analyst Associate (Google/Coursera, Nov 2023)
* ISO 14001:2015 EMS (Alison, Mar 2023)
* Introduction to ESG (CFI, Jan 2024)
* Climate Change From Learning To Action (Jan 2025)
* BRICS Women’s Startup Contest – Certificate of Participation (Nov 2024)

**Skills**

**Environmental & Sustainability Expertise**

* Water Quality Monitoring & Analysis
* Hydrology & Catchment Systems Assessment
* Pollution Assessment & Mitigation Strategies
* Environmental Management Planning & Compliance

**Data & Analytics**

* Data Cleaning, Modeling & Visualization (Python, SQL, Tableau, Power BI)
* Statistical Analysis & Trend Interpretation
* ESG & Sustainability Data Reporting

**Science Communication & Engagement**

* Public Outreach & Educational Program Development
* Workshop Facilitation & Interactive Learning
* Digital Content Creation (Medium, Social Media, Infographics)

**Technical & Professional Tools**

* Project Management & Event Coordination
* Research & Technical Report Writing
* Stakeholder Engagement & Collaboration