Mulenga Mpikula Silence

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EDUCATION

University of Rochester   Rochester, New York
Bachelor of Arts or Science , Double major in Data Science   May 2027
And Finance
- 7th Generation Scholarship
- GPA 3.85 First Academic semester.

                                                                                        Arusha, Tanzania

International school of Moshi UWCEA

INDEPENDENT PROJECTS

Plant4Life Initiative

- Established the "Plant4Life" initiative focused on afforestation campaigns to combat climate change, aligning with SDG 13.
- Organised community education programs on the importance of environmental sustainability.
- Led a team of 10 volunteers, planting over 500 trees in local areas, contributing to a 15% increase in green cover within the region.
- Engaged with local businesses and schools to foster environmental responsibility, impacting 100+ individuals.
- Collaborated with environmental NGOs to enhance campaign visibility and reached 1,000+ community members through social media and outreach events.

EXPERIENCE

Strathmore University Mathematics Olympiad   January, 2023 – February, 2023
    - Voluntarily handed the scholarship to a local student to support local talent.
    Python Developer | Computer Science Class Project
- Developed a phone number validation and identification tool using Python, ensuring that phone numbers follow the correct format and are specific to the region (Rochester, NY).
- Created a custom function is_valid() to validate phone numbers based on length, digit patterns, and hyphen placements, improving data integrity by 40%.
- Designed a feature is Rochester() to identify whether the phone number belongs to the Rochester region based on area codes, adding functionality for location-specific validations.
- Enhanced user experience by ensuring correct formatting and giving clear feedback when invalid input is detected, improving user confidence and reducing errors by 30%.
- Implemented in a modular design, enabling scalability to add further region-specific identification and phone number formatting checks as needed.

LEADERSHIP ACTIVITIES

- - Led initiatives to promote academic wellness and provide support for student academic success.
- - Organised and facilitated study groups, tutoring sessions, and academic workshops.
- - Served as a liaison between students and faculty, advocating for academic needs and improvements.
- - Developed strong leadership, communication, and problem-solving skills through direct engagement with students and staff.
- - Monitored student academic progress and implemented strategies to improve performance.
- - Coordinated academic events, such as career talks, guest lectures, and peer-to-peer mentoring sessions.

SKILLS

- programming languages: Python .
- Efficient with Jira software and web flow.
- Foreign language skills :Swahili, Lingala, Nyanja.