**KARIIHTI ANNE WANJIKU EMAIL BIO**

My name is Anne Wanjiku Kariithi and I am Electronics and Computer Engineer. I am a passionate and driven individual with a deep-rooted commitment to excellence in the field of Electronics and Computer Engineering.

Beyond the confines of the classroom, I have actively engaged in various leadership roles that have enriched my experience at the university. I served as the chairperson in the Society of Engineering Students, Code-Arc, and the JKUAT Chapter of the Working to Advance Science and Technology Education for African Women Foundation (WAAW).

The hallmark of my time at the university was creating a telemedicine kit aimed at providing access to medical care to cardiovascular disease patients which got international recognition in the writing and presenting papers on rocket design under the Nakuja project during the Sustainable Research Innovation Conference held in October last year with the hope of contributing to future advancements in rocket research and inspiring further investigations that will lead to remarkable breakthroughs in Low Eart Orbi (LEO) model rockets. The papers were:

1. 1st author (**Design and computational analysis of the Nakuja N-3 rocket**)
2. 2nd author (**Design analysis and simulation of a Launchpad for the Nakuja N3 rocket**)

I am looking forward to doing a master's in Biotechnology specializing in the use of AI to develop solutions in the medical field to help people in marginalized areas get access to medical care. My interest lies in learning and understanding mathematical modeling, data analysis leveraging AI and taking part in the ongoing research work being done at CEMA. I see CEMA as the pivot for me to leverage my expertise to make meaningful contributions to the medical space by leveraging technology.