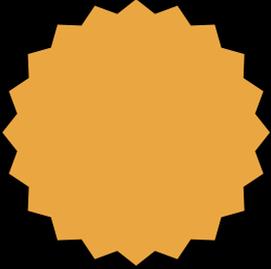


PORTFOLIO

by Aurelio Mofuga



ABOUT ME

Aurelio Mofuga is a multi-disciplinary creative technologist whose practice investigates the fusion of art, technology and research and design with the goal of uncovering novel ways to narrate, curate and preserve experiences as well as foster digital solutions for overarching problems affecting the global south.



My exploration has taken me from working with corporation, technology companies, startups, NGOs and leading personal projects stemming across emerging technologies such as Artificial Intelligence, Augmented Reality, Virtual Reality, Internet of Things, Mobile Applications, Blockchain and space technology.

APPROACH

Throughout my professional career my work falls within three main categories oftenly fusing all aspects across the development as determined by the medium of curation of the work as well as the anticipated final deliverable.

Research & Design

Data driven insights to inform boardroom decisions, support fundraising, and uncover insights to drive innovation, accelerate tech adoption, and build innovative local and multinational brands.

ART & Culture

Rethink daily experiences, revive lost traditions, preserve those on the verge of extinction, tell stories with novel techniques, and illuminate thousands of unknown cultural experiences.

Emerging Technologies

Future-forward thinking, enhancing and extending humanly capabilities with tools and machinery that improve the wellbeing and everyday life process while bridging digital divide.

BRANDS IMPACTED

Web3 | Blockchain | Fintech



Storytelling | Immersive Media | VR & AR | Science and Technology



Management Consulting | Research | Advisory



PROJECTS

● Emerging Technologies

BIASHARA OS

EVENTFUL

SPLITWISE

AFYACHATS

CELLIPEDIA

KIPEPEO

● ART & Culture

DALADALA VERSE

ANCESTAR

DALADALA LOGO

SCULPTURES OF LIGHT

● Research & Design

NORMALIZING REMOTE WORK IN EAST AFRICA

LIONS GO TO SPACE

AFRICAN SPACE INDUSTRY REPORT

Impact Areas:



SCULPTURES OF LIGHT

Currently in Production - Since May 2025

Sculptures of Light is an immersive and interactive public art installation that transforms historical monuments and civic spaces into living canvases of memory, hope, and collective action. Using projection mapping, augmented reality (AR), and virtual reality (VR), the project reanimates statues and sculptures with light, sound, and story inviting audiences to engage with Tanzania's past, present, and future in bold new ways.

At its core, Sculptures of Light seeks to reconnect citizens with public monuments often seen as static relics by infusing them with dynamic narratives around justice, equality, climate change, and civic engagement. Each monument becomes a portal for dialogue, reflection, and inspiration—illuminating the stories of heroes and everyday citizens alike.

Through real-time audience interaction, digital sensors, and participatory storytelling, viewers shape the experience with their voices, movements, and data creating a collective artwork that evolves with the community. By blending ancestral wisdom with emerging technologies, the project invites intergenerational audiences to reflect on national identity and imagine a more just, inclusive future.

Medium:

- 2D Documentary
- Visual Illustration (Paintings)
- Augmented Reality Experience
- Projection Mapping

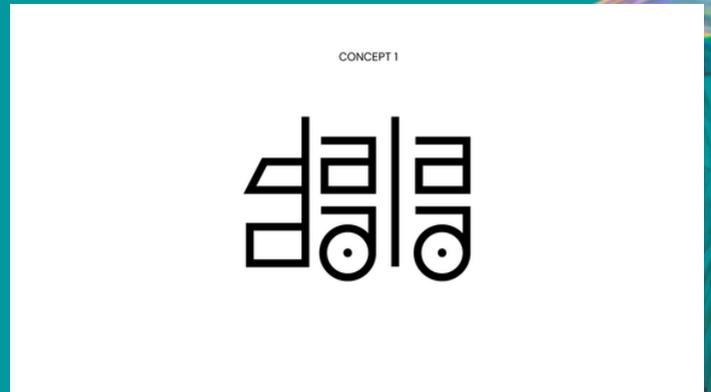
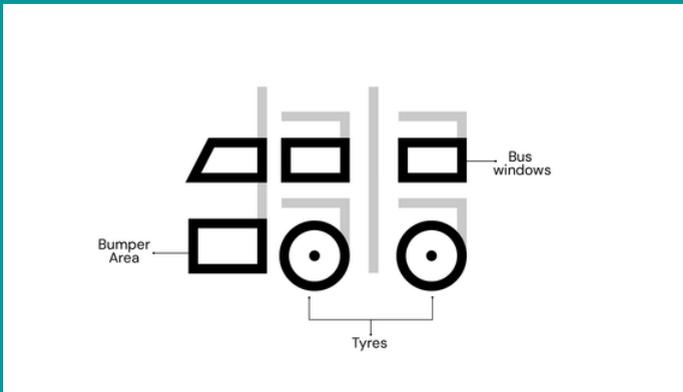
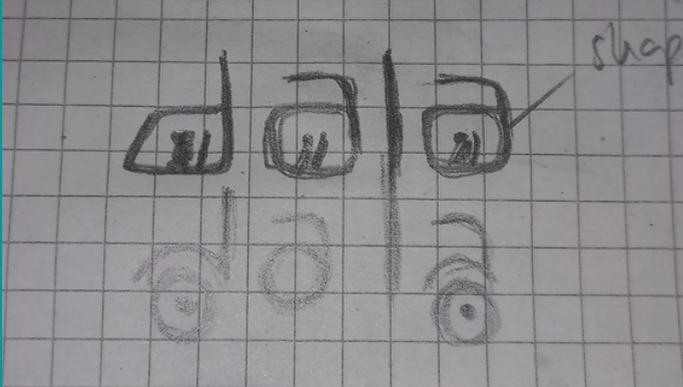
[Link to Pitchdeck.](#)

[Link to Proposal](#)



DALADALA BRANDING

2024



DALADALA VERSE

2024

SDG 1: No
Poverty

SDG 8: Decent Work
and Economic Growth

Daladala Verse is the convergence of the mobility stories of the past and future, narrated using XR technologies, blurring the line between tech, art and culture while paying homage to Tanzania's longest-serving public mini-bus transportation called Daladala.

The Daladala Verse project has been exhibited at international and local venues such as the ARS Electronica festival in Linz Austria and in Dakar Senegal.

Medium:

- 2D Documentary
- Virtual Reality Experience
- Augmented Reality Experience
- Projection Mapping



UTANZANIA NI NINI? 



SCAN TO EXPERIENCE



Immersive Storytelling Residency Made Possible by:

    Co-funded by the European Union 

Scan the QR Code then point the browser window to this poster to view the AR Effect.

Useful Links

[S+T+ARTS Announcement](#)

[Documentary Teaser](#)

[Instagram Page: @daladala_255](#)

ANCESTAR

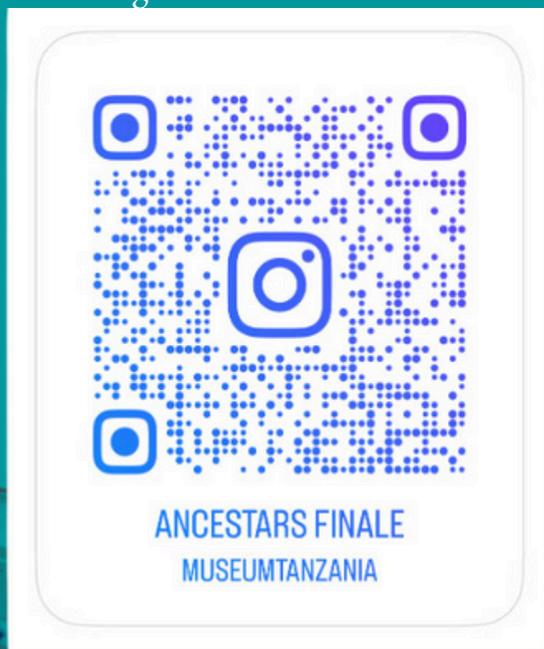
2023

AncestAR project seeks to digitise African cultures that are becoming extinct leveraging Augmented Reality technology (Instagram Filters) that enables interactivity with digital artifacts of the Makonde tribe.

AncestAR AR effects combined various elements of the Makonde tribe such as 3D scanned sculptures, facial scarifications transformed into face filter and narration, dances and stories from the Makonde elders.

Medium:

- Augmented Reality Experience
- Instagram Filters



Scan the QR Code then experience the effects via instagram



Useful Links

[Instagram Filter Effect](#)

[Project Launching Video](#)

REMOTE WORK IN EAST AFRICA

2022

Early in the decade, the transition to the “future of work” began in earnest. As Fifth Harmony aptly foreshadowed in their 2016 hit - *Work From Home*, this trend is no longer a distant possibility—it has become our reality. Fueled by the COVID-19 pandemic, remote work emerged as a critical response to a shuttering global economy, aimed at curbing the spread of the virus.

Years later, many—including myself—continue to work remotely, and this shift is proving to be more than a temporary adjustment. Remote work has emerged as a solution to global talent shortages, enabling borderless talent acquisition, unlocking fast-growing career opportunities in industries traditionally accessible only in developed nations, and, most importantly, supporting youth productivity across Africa.

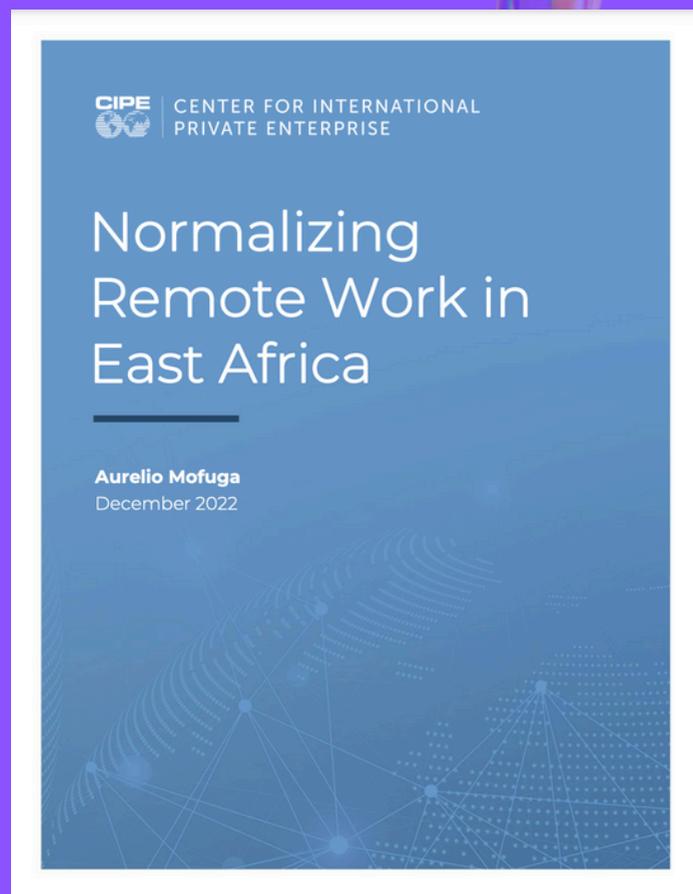
Medium:

- [Research Study](#)
- [Video Presentation](#)

Useful Links

[Research Report Document](#)

[Video Presentation Link](#)



AFRICAN SPACE INDUSTRY REPORT

2021

Published by Space in Africa in 2021, the annual space industry report covers all the major events and key insights of the African space industry in 2021. My contribution was crucial in highlighting the progress of the African space economy and its underlying opportunities.

Medium:

- Market Research Study

Useful Links:

- [African Space Industry Annual Report](#)



LIONS GO TO SPACE

2021

Lions go to Space features the African space and satellite industry progress. Drawing insights from over 200 African companies operating in the Space Industry. The analysis hopes to inform and provoke interest among key stakeholders like government, companies and individuals.

Medium:

- Market Research Study

Useful Links

[Research Report Document](#)

[Video Presentation Link](#)



BIASHARA OS

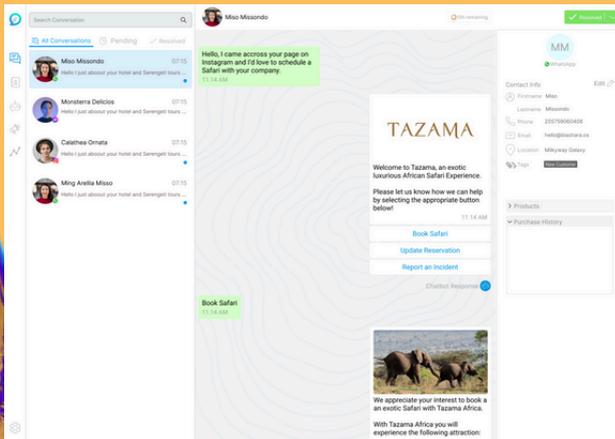
SDG 1: No Poverty

SDG 8: Decent Work and Economic Growth

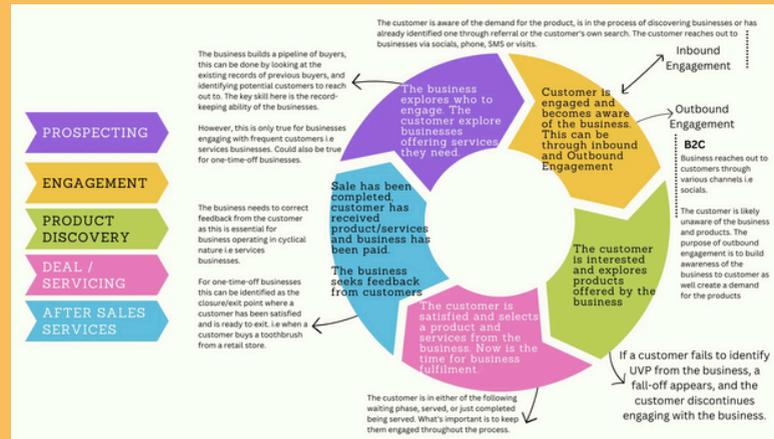
Supercharging small business growth through AI powered social media tools.

2023 - Ongoing Development

Being an operating system for small enterprises, Biashara OS hopes to build essential tools that enable businesses to connect and engage with their customers leveraging social media, chatbot, and CRM and other tools to enable business growth. Our goal is to enable businesses thrive and take full charge of tools like WhatsApp, Instagram and Facebook that are essential in our modern world through an all-in-one interface that is automated with AI for exceptional customer experience.



[Figma Prototype Designs](#)



[Business Process Mapping](#)



[Inbound User Journey](#)

Useful Links

[Figma Prototype Designs](#)

[Business Process Mapping](#)

[User journey mapping on Whimsical](#)

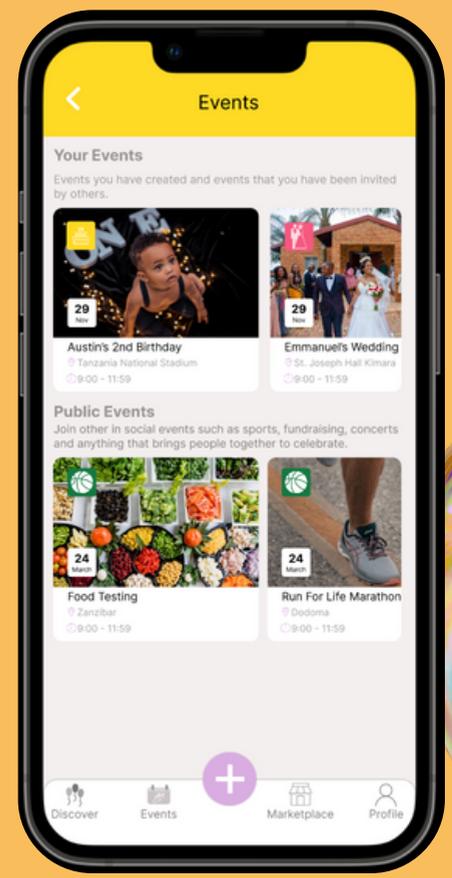
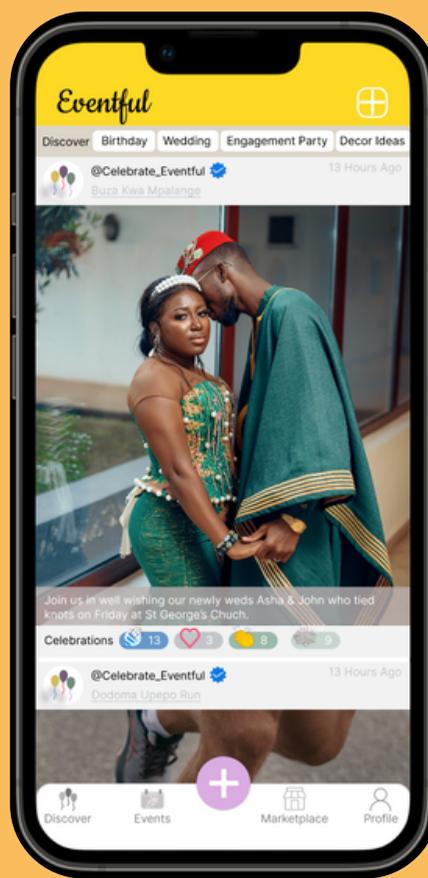
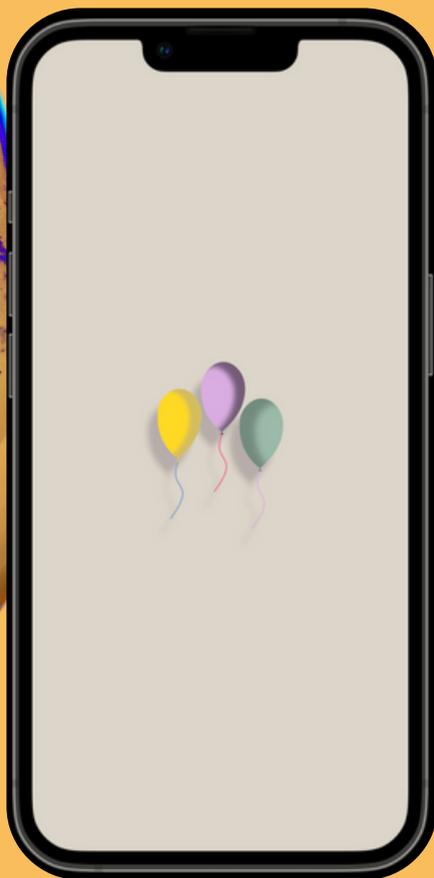
EVENTFUL

Transforming event management and discovery in Tanzania

2022

At the core of our product is the desire to end-to-end digitize the event management industry. Equally, this would be possible not only by building a digital product for coolness but rather by building something that will be useful and go to for everyone. Our solution will encompass three main features:

- **Social sharing:** This would allow people to share event updates such as clips from weddings, images, etc. This would also allow marketplace participants to also advertise themselves.
- **Event Management:** This would encompass everything from event creation, creating tasks, updating meeting minutes, contributions for events, assigning roles, and in-app messaging.
- **Marketplace:** this would enable event planners to network and procure services from various vendors vendors and



Useful Links

[Figma Prototype Designs](#)

[Whimsical Screen Flows](#)

SPLITWISE

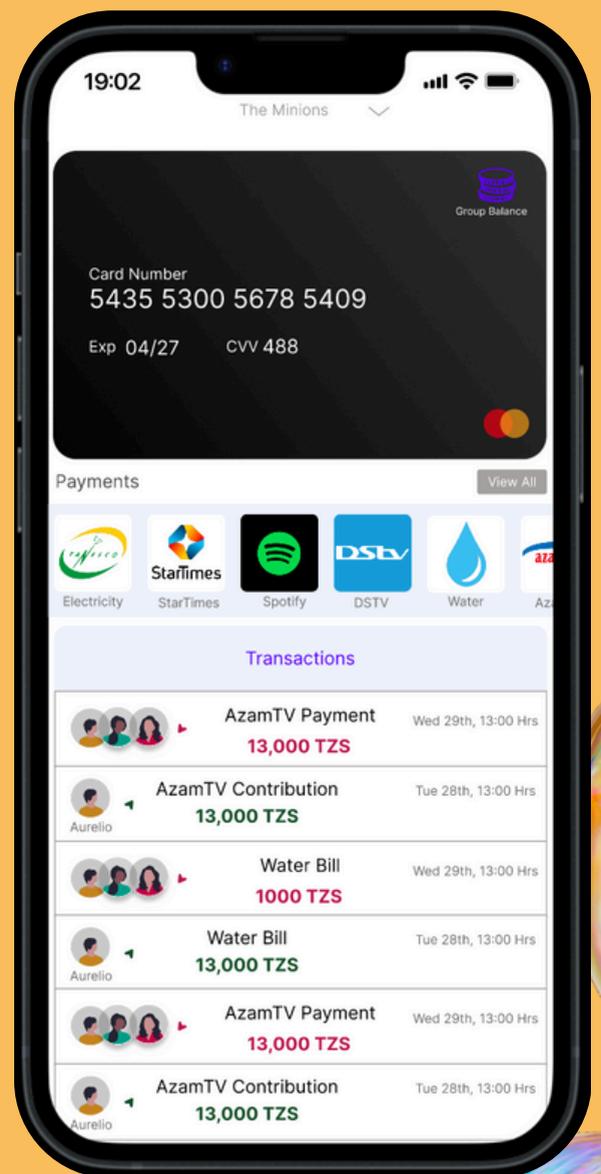
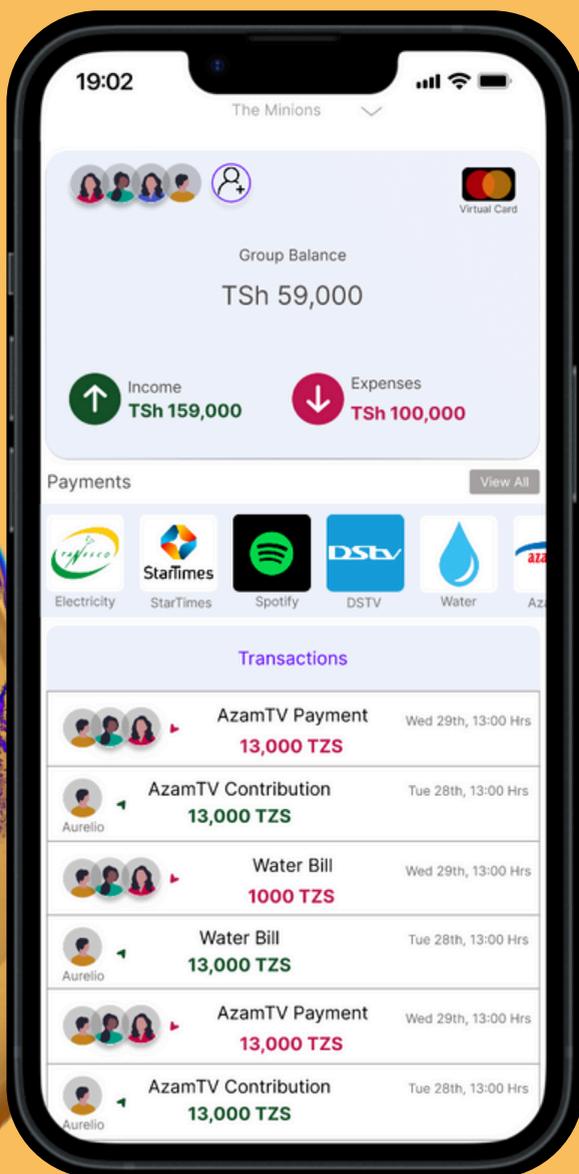
SDG 1: No Poverty

SDG 8: Decent Work and Economic Growth

Simplifying bills splitting and group spending among friends

2022 - Ongoing Development

Our platform simplifies group spending, allowing users to create or join groups, contribute to a shared wallet, and manage expenses effortlessly. Pay for utilities, set up recurring payments, and track contributions with ease. With features like group budgeting, transparent transaction history, and virtual cards for online purchases, managing shared finances has never been easier or more efficient.



Useful Links

[Figma Prototype Designs](#)

[Whimsical Screen Flows](#)

AFYACHATS

SDG 3: Good Health and Well-being

Enabling Convenience in Accessing AI-powered Emergency Healthcare Services

2020 - 2022

AfyaChats is an android app that provides real-time responses to users' health-related questions through a chatbot interface. Users can ask about various health matters and receive instant, AI-powered replies that assess their health status and offer guidance on managing their concerns. The app integrates Artificial Intelligence (AI) and Machine Learning (ML) to continuously learn user needs, ensuring accurate and personalized responses through an intuitive, user-friendly interface.

AfyaChats breaks language barriers by offering services in Swahili, making it more inclusive and straightforward for Swahili speakers. Unlike most health information sources, which are primarily in English (such as Google), AfyaChats ensures that users can access reliable health advice in their native language, improving health literacy and engagement.



Useful Links

[Slide Deck](#)

CELLIPEDIA

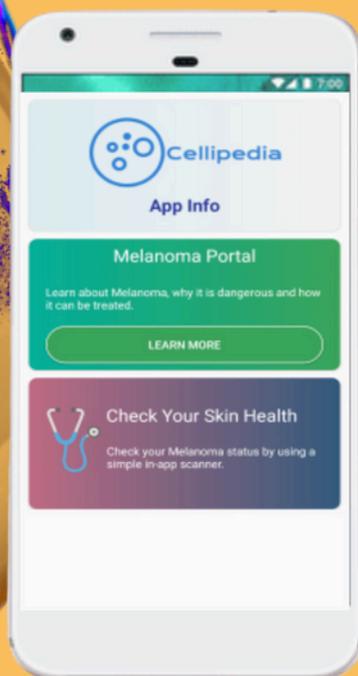
SDG 3: Good Health and Well-being

AI Powered melanoma skin cancer screening and diagnosis using just a smartphone device

2021

Cellipedia a Machine Learning and AI powered mobile app that transformed Melanoma skin cancer screening through leveraging a smartphone app and camera. Melanoma is the largest threat to the lives of people living with albinism, claiming 9 out of 10 lives of victims each year. Tanzania is estimated to have a population of over 43,000 Albinos, in 2011, It was estimated that nearly 11,000 individuals are at risk. The effects of melanoma are exacerbated especially in rural areas where poverty is prevalent at alarming rates and also healthcare systems are inadequately strengthened to offer specialized medical care to this group.

Cellipedia sought to put an end to this leveraging AI and ML mobile app that allowed people with albinism and even healthcare providers to swiftly screen Melanoma cases using just a mobile phone.



How Cellipedia works

Images of Melanoma skin Lesion



Images of a healthy skin

colab

Model was trained through transfer learning of mobile v2 inception model developed by google.

TensorFlow Lite



Useful Links

[Slide Deck](#)

[Demo Video](#)

KIPEPEO APP

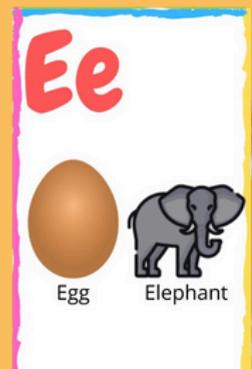
SDG 4: Quality Education

Enabling children to learn interactively through games and AR technology.

2020 - 2022

Kipepeo Edutainment merges technology, interactivity and entertainment into early childhood education to create interactive learning experiences for children in primary schools which enable them to sufficiently learn as opposed to when traditional learning methods are used alone.

At the core of our solution is Augmented Reality technology and 3D models that enable learners to learn interactively through digital content that can be brought to life through these technologies. Our content is easily accessible through publications such as flashcards and mobile apps that leverage AR and 3D models to enable students to learn interactively and experience content's example brought to life through our app.



Useful Links

[Slide Deck](#)

[Demo Video](#)

