

# Joshua Kiryowa Mukisa

Software Developer

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## Profile

Freshman Computer Science student at Baylor University with 5+ years of experience in full-stack development, IoT systems, and AI/ML. Built institutionally adopted platforms including an e-voting system and a school information system, alongside neural network classifiers and Arduino-based IoT devices. Passionate about leveraging technology to empower Africans to lead and redefine the global tech space.

## Education

### B.S. Computer Science

Aug 2025 - Present

Baylor University, Waco TX

## Experience

### CEO & Founder

Jul 2022 - Present

VoteAble

- Built and launched a full-stack e-voting platform now running at Aga Khan High School Kampala, with plans to scale across schools.
- Turned chaotic, month-long elections into a 1-week streamlined process — vetting, voting, and instant results all in one place.
- Drew 2,000+ monthly visits during election season, showing strong demand and engagement.
- Plans to monetize through annual school subscriptions to set up a sustainable operation.

### Co-Founder

May 2025 - Present

Videra Digital

- Co-founded a creative tech collective with two friends (2 developers, 1 UI/UX designer) to deliver sleek websites and full-stack web applications.
- Closed UGX 3M in revenue in our very first summer of operation.
- Spearheaded **Cadera**, a School Information System that digitizes report cards and records, giving schools faster, cleaner, and more accurate approach to data management.
- Balanced code, client relations, and timelines while growing the team culture.

### Frontend Web developer

Apr 2023 - Sep 2023

UpLift Establishment Limited

- Designed and shipped a fully responsive website from scratch to spread brand awareness and boost customer engagement.
- Revamped the UI to make navigation smoother and more intuitive for users.

## Personal details

Website

joshuamukisa.onrender.com

LinkedIn

linkedin.com/in/joshua-mukisa/

GitHub

github.com/Josh-The-Developapa

## Skills

Python

JavaScript

Node.js

React.js

Express.js

MongoDB

C++

PyTorch

Arduino

Git/Github

REST APIs

MS Office Suite

## Languages

English

French

- Built dynamic media galleries that brought the company's brand story to life.
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## Projects

### VoteAble – Electronic voting Platform

- Engineered a scalable multi-tenant voting system with dynamic subdomain routing and school ID-based data isolation.
- Implemented secure auth, poll management, real-time vote tallying, and admin dashboards with granular role-based access.
- Deployed scalable backend on Render and designed responsive UIs to optimize performance for mobile voting.

### Cadera – Student Information System (SIS)

- Initially contracted for **UGX 1.5 million** by Makarios Junior School; expanding to architect a scalable multi-tenant SIS platform for academic reporting and performance tracking across Ugandan institutions.
- Digitizing report generation, class/subject mapping, and exportable report cards (PDF)
- Implemented secure role-based access (head teacher, admissions officer, teacher) with responsive UIs backed by a Postgres-powered Supabase API
- Strategizing to scale and monetize the platform as a sustainable passive income source

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## References

Sophie Masembe

The Aga Khan High School, Kampala  
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Martial Mugabe

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