# JOHN MWANZIA

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## EDUCATION

**Kabarak University** *(Expected Graduation: Dec 2025): B.S. in Computer Science, Current: 71.00, Cumulative: 67.56*

- *Languages*: C, C++, Java, JavaScript, TypeScript, React, React Native, PHP, HTML, CSS, NodeJS, Next js.
- *Coursework:* Structured Programming, Data Structures with C, OOP with C++, Assembly Language Programming, OOP with Java, Design & Analysis of Algorithms, Computer Networks, Software Engineering, Web Apps Programming

**Kabaa Boys High School** *(Graduation: April 2021): B+ (72 pts)*

## PROFESSIONAL WORK EXPERIENCES

**Software Engineer – Terrabloom** *(Uni-Personal Project)* **– April 2024 to June 2024**
*Languages: TypeScript, JavaScript, Next.js*

- Developed a comprehensive web-based platform addressing farmers' needs for crop information, market prices, and weather updates, using Next.js.
- Implemented a real-time community forum to foster farmer engagement and knowledge sharing.
- Enhanced user experience with a focus on intuitive interface design, leading to positive user feedback.

**Software Engineer – Study Buddy AI (Uni-Team Project) – Jan 2023 to March 2023**
*Languages: TypeScript, JavaScript, NodeJS*

- Developed an AI-powered PDF summarizer to enhance study efficiency, integrating Open AI NLP APIs and Pinecone vector databases.
- Created an intuitive user interface, improving accessibility and adoption.
- Successfully delivered the project on time through effective team collaboration and agile practices.

**Frontend Engineer – Clinical Forex – Sep 2022 to Nov 2022**
*Languages: TypeScript, JavaScript, React, Tailwind CSS*

- Built a dynamic user interface allowing users to purchase courses and interact with mentor.
- Developed subscription-based access control to manage user permissions dynamically based on their plans.
- Enhanced the user experience with responsive design, ensuring accessibility across various devices.

**Frontend Engineer – Body Bliss Contour – May 2022 to July 2022**
*Languages: TypeScript, JavaScript, React, Tailwind CSS*

- Designed and developed a user-friendly e-commerce platform for purchasing SPA-related items and booking personal SPA sessions.
- Optimized site performance and user interactions, resulting in an increase in user engagement and sales.
- Collaborated with backend teams to ensure smooth data integration and order management functionalities.

## PROJECTS *(side projects)*

**DoneWithIt**

- Developed an Android app using React Native to facilitate second-hand goods selling and purchasing among users.

**Smart Tech Stores**

- Built an e-commerce web app for selling electronics using the MERN stack (MongoDB, Express.js, React, Node.js).

## ACCOMPLISHMENTS

- Awarded Best Performing Student in Form 2 and Form 3 (2018 and 2019) at Kabaa Boys High School.
- Served as the Studies Captain in third year of high school, demonstrating leadership and academic excellence.

## TECHNICAL SKILLS

Git, Data Structures, Algorithms, Frontend Development, Backend Development, Website Design, Networking, Problem Solving, Web Sockets, Computer graphics.