

MBAFOR JOSHUA FOGHANG

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SUMMARY

I am a motivated Computer Engineering student at KNUST with strong skills in web development, data analysis, and software engineering. Experienced in building responsive websites, real-time applications, and data dashboards through internships and academic projects. Adept in C++, Python, HTML, CSS, JavaScript, MySQL, and Power BI, Passionate about leveraging technology to solve real-world problems and eager to contribute and grow through hands-on internship opportunities.

EDUCATION

Kwame Nkrumah University of Science and Technology
BSc. Computer Engineering.

Kumasi, Ashanti Region
Expected Date of Graduation: **November 2027**

ACHIEVEMENTS AND AWARD

Scholarship Recipient, Mastercard Foundation Scholars Program, KNUST. **2024 – 2027**
Social Impact Challenge Finalist, Yale Young African Scholars (YYAS), KET Foundation. **January 2024**

WORK EXPERIENCE

Jeph Logistics / Web Developer <https://jephlogistics.vercel.app/> **June – July 2025**

- Built a website using HTML5 and CSS3 to enable 100+ customers to book motorcycle deliveries online.
- Integrated WhatsApp Click-to-Chat API with JavaScript to redirect customers to business owner after form submission.
- Help the company expand its client base by 25% and streamline operations, improving booking response times by 60%.

Bridge-Tailor Consulting / Research and Data Analyst **October – December 2024**

- Extracted and cleaned economic data from 10+ African development sources using MySQL to increase data reliability.
- Developed Power BI dashboards with DAX to track GDP, inflation, and trade, improving stakeholder decisions by 60%.
- Defined KPIs with strategy and finance teams, delivering tailored dashboards that supported data-driven decisions.

Only Quality Data / Data Analyst **September – November 2024**

- Analyzed 10,000+ rows of employee churn data in Python, uncovering trends that enable a 15% reduction in turnover.
- Built interactive Power BI dashboards with DAX to visualize churn risk and tenure, providing HR with insights.
- Uncovered 3 key behavior patterns through correlation and segmentation, improving retention strategy and targeting.

KET Foundation / Front-end Developer **January – May 2024**

- Co-developed a web app using HTML and CSS to enable students to access free educational resources at my school.
- Implemented a resource center with 200+ downloaded materials such as past questions, lecture notes, and guides.
- The platform supported 500+ students, improving resource access and contributing to enhanced academic performance.

PROJECTS

Real-Time Chat Messaging <https://real-time-chat-6qkt.onrender.com/> **May - July 2025**

- Built a messaging app using Express, and Socket.IO, enabling 100+ students to send anonymous messages to each other.
- Developed a responsive interface in HTML5, CSS3, and vanilla JavaScript, supporting all mobile devices and browsers.
- Implemented delivery tracking, reading receipts, and live typing indicators, increasing user interaction by 30%.

Book Scraper <https://books-1-dfpn.onrender.com/> **January - March 2025**

- Built Book Scraper Web App with TypeScript, Node.js, and Puppeteer to extract book data from Open Library website.
- Added 10-page pagination and live search by author and title, enabling faster discovery and smoother browsing of books.
- Designed a user-friendly interface with React and CSS grid to view, search, and refresh the catalog in real time.

VOLUNTARY EXPERIENCE

Association of Computer Engineering Students (ACES) / Tutor & Designer **January 2025 - present**

- Teach HTML, CSS, and JavaScript to 20+ first-year students for 4 hours every week, improving student grades in school.
- Designed over 10+ academic flyers using Photoshop to enhance ACES brand visibility and increase event turnout.

Open Dreams Foundation / Peer Mentor & Scholar **August 2022 - present**

- Organized 5+ sessions for 30+ students, guiding them through college applications, increasing acceptance rates by 40%.
- Mentor 30+ students on SAT and ACT preparatory courses, including essay writing, and interview tips.

TECHNICAL SKILLS

Programming Language: C/ C++, Python, HTML, CSS, JavaScript, MySQL.

Technologies: Node.js, Express, Socket.IO, RESTful API, JSON, GitHub, Figma, Power BI, Microsoft Office, Adobe Photoshop.