

Engombe Lokanga

[LinkedIn](#) | [GitHub](#) | [Personal Site](#) | [Email](#) | 07572245343

Professional Summary

An aspiring full-stack developer with experience in web and AI-driven solutions. Passionate about problem-solving and building innovative applications in fast-paced environments.

Education

BSc Computing and Information Technology, Birmingham City University (2022 – 2025)

- Programming: Python, C++
 - Technologies: AWS, Docker, SQL, Git, Figma, Linux
 - Activities: Hackathon Competitor, Kickboxing
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Projects & Hackathons

[Decision.io](#) (AstonHack – Feb 2025)

- Built an **AI-powered decision-making tool** in **24 hours** using **TypeScript/JavaScript (React), Node.js & Google's Gemini AI model** in a team of 4.

[ARENA Sports Booking App](#) (ARENA Hackathon – Dec 2024–Jan 2025)

- Won a **2-week hackathon** by developing a **full-stack app** with **Next.js, Django & PostgreSQL**, integrating **Stripe** for payments.

[Atom Bank Productivity App](#) (DurHack – Nov 2024)

- Built an **employee productivity app** in **24 hours** using **React Native & Figma**, running on **Android Studio** in a team of 4.

Bantu Language LLM (Jan 2025 – Present)

- Currently developing a **translation model** for **Bantu** languages using **Python**.
- The **dataset** is hosted on the **S3 bucket** and the **LLM** is trained on **AWS SageMaker** with the fine-tuned **mBART** model.

Betting Slip Handwriting Recognition (Jan 2025 – Present)

- Currently developing a **Computer Vision** project using **Label Studio & TrOCR** to **detect** and **recognise handwriting** on **betting slips**.
- The project was based on my part-time job at Befred where I noticed some customers have poor handwriting on their betting slips, making it hard to “translate”.

[OccultPod-Web](#) (May 2023 – Dec 2023)

- Built a **full-stack podcast aggregator website** using **RSS parsing (Node.js, React)**. Users listen to episodes; admin can manage content.

Automatic Plant Watering System (Feb 2023 – May 2023)

- Built a **hardware prototype** in a team of **5** using **C++**, **Arduino**, and **sensors**. Blogged about the experience on **Medium**.
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Technical Skills

- **Languages:** Python, JavaScript, TypeScript
 - **Frameworks & Tools:** React, Next.js, Node.js, Django, PostgreSQL, MongoDB, AWS, Docker, Machine Learning
 - **Other:** Git, APIs, Agile Development
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Contact

Available for opportunities. Reach out via LinkedIn or Email.