

CURRICULUM VITAE

Collins Joshua

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Location: Kenya

Objective

Aspiring computer science professional with a focus on artificial intelligence, machine learning, and software development. Passionate about leveraging technology to solve real-world problems. Seeking an attachment opportunity to apply my skills and gain hands-on experience in a dynamic, innovative environment.

Education

Kibabii University

- **Program:** Competency-Based Certificate in Computer Science
- **Specializations:** Information Systems, Machine Learning, and AI

Kamagut High School

- **Kenya Certificate of Secondary Education (KCSE)**
 - **Grade:** C+
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Key Skills

- **Programming Languages:** Python, JavaScript, HTML, CSS
- **Web Development:** Proficient in creating interactive and responsive web applications
- **Artificial Intelligence:** Familiarity with building predictive models and intelligent systems
- **Project Management:** Experience in planning, designing, and executing technical projects
- **Problem-Solving:** Analytical thinker with a creative approach to challenges

Technical Projects

Justice Hub

Developed an innovative platform aimed at providing quick and efficient access to legal resources. The system includes:

- Automated legal document generation.
- AI-driven case search for lawyers and individuals.
- Advanced data encryption to ensure confidentiality.

AI-Based Companion System

Collaborated with a team to create a voice-interactive model capable of:

- Listening to and responding to user input.
- Generating mood-based interactions, including jokes and personalized reactions.
- Learning user preferences to improve conversational dynamics.

Smart Home Concept

Designed the blueprint for a next-generation AI-powered smart home, featuring:

- Sensor-integrated doors and windows with biometric analysis.
- Blue-ray projection for entertainment and command systems.
- Intelligent chat functionality for personalized experiences.

Achievements

- Successfully designed and implemented the **Justice Hub**, gaining recognition for its innovative approach to legal access.
- Co-created an emotional AI model celebrated for its dynamic user interaction capabilities.
- Active participant in university coding hackathons, achieving top positions for problem-solving challenges.

Leadership & Extracurricular Activities

- Member of the University AI and Robotics Club.
- Organized and mentored peers in coding bootcamps at Kibabii University.

- Contributor to open-source projects on GitHub, focusing on AI and web technologies.

References

Available upon request.
