**Eric Salamba**

**Computer Scientist**  
Location 📍: Kitengela, Kenya  
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Links 🔗 : [github.com](https://github.com/salamba-eric) | [linkedIn.com](https://www.linkedin.com/in/eric-salamba-14869a277/) | [portfolio](https://salamba-eric.github.io/profile/portfolio_2.html) | [resume](https://salamba-eric.github.io/profile/resume_2.html)

Date of Birth: 14th August 2003

Languages: English, Swahili

Nationality: Kenyan

Gender: Male

**Profile**

I am a Computer Scientist and aspiring Full-Stack Developer/Data Analyst with over 5 years of practical development experience across Python, JavaScript, and PHP, proficient in crafting web, desktop, and data analysis solutions. My greatest strength is self-motivation, enabling me to see projects through to completion, even when facing challenges. I have a talent for innovative problem-solving, as demonstrated by my work on an offline transcription bot. I’m passionate about designing efficient systems – a drive that led me to develop an AI-assisted resume web app aimed at simplifying professional document creation. I value creating impactful and streamlined technological solutions.

**Skills**

**Programming Languages:** Python, JavaScript, TypeScript, SQL, PHP  
**Frameworks:** React.js, Node.js, Express, Flask, Django  
**Databases:** MySQL, PostgreSQL, MongoDB  
**Tools:** Git, Docker, Postman, Canva, Krita, Blender, Trello  
**Soft Skills:** Proactive, Resourceful, Analytical, Problem-solver, Collaborative, Detail-oriented, Agile (Not physically)

**Work Experience**

**Attachee — Senate, Kenya**  
*Nairobi, Kenya*  
**May 2024 – August 2024**

* Provided IT support
* Worked on frontend for a project management system
* Implemented UI improvements

**Education**

**Bachelor of Science in Computer Science**  
*Jomo Kenyatta University of Agriculture and Technology*  
Expected 2025

**High School — Alliance High School**  
Graduated 2021 | Grade A-  
Science and Robotics Club Member (4 years)

**Projects**

**Project Management App**

* Engineered a full-stack project management application using the MERN stack (React, Express, MySQL) with full user authentication, custom dashboards, and task-tracking functionality.
* **Proactively solved complex state management challenges** to ensure real-time updates across user dashboards, improving the collaborative user experience.

**Shopping Website**

* Developed an e-commerce platform using React, PHP, and MySQL, with a focus on intuitive user experience and robust backend functionality.
* **Demonstrated versatility and adaptability** by later migrating the database to MongoDB, a strategic decision that improved data handling for product filtering and content management systems (CMS).
* **Utilized analytical skills to implement a dynamic product filtering system**, allowing users to sort products by multiple parameters and streamlining the shopping experience.

**Final Year Project**

* Designed and executed a final year project that automated audio transcription and NLP data extraction using the Whisper model and MongoDB.
* **Showcased problem-solving and critical thinking** by addressing the challenge of converting unstructured audio data into a structured, searchable format.
* **Authored a detailed technical report** documenting the project's methodology, results, and future applications, demonstrating effective communication of complex technical concepts.

**Games (Python)**

* Developed a series of classic games, including Checkers, Chess, and Ping Pong, from scratch using Python.
* **Applied meticulous attention to detail** to ensure game logic was bug-free and adhered to official rules, resulting in a seamless user experience.
* **This initiative demonstrates self-motivation and a strong grasp of fundamental programming concepts** like object-oriented design and algorithm implementation.

## ****Hobbies & Interests****

Coding, drawing, gaming, chess, philosophy, physics, and science exploration.

**Certifications**

* **Beginner & Advanced Python** — Institute of Software Technologies (IST), Nairobi
* **Azure Fundamentals (AZ-900)** — Microsoft
* [**Google project management**](https://coursera.org/share/e43275a59331ab121b8753921f7775ac)- Google

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