NABASA AMOS

Graduate Software Developer
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Portfolio: https://nabasa-amos.netlify.app/ | GitHub:https://github.com/AmosQuety
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Professional Summary

Purpose-driven Software Engineer committed to empowering underserved communities through scalable, user-centric solutions. Proven track record includes agricultural advisory tools optimized for low-connectivity environments and voice-enabled refugee support bots. Demonstrated entrepreneurial resourcefulness by improving efficiency by 40% in a small venture using lean tech. Proficient in Python, React, and frontend/backend integration. Seeking a graduate role to master industrial-grade system design as a foundation for building impactful, job-creating tech ventures.

Technical Skills

Languages: Python, Java, JavaScript, TypeScript, C++

Web/Mobile: React.js, Node.js, Express.js, React Native, Flutter, HTML5, CSS3, Tailwind CSS

Data/AI: Pandas, NumPy, scikit-learn, TensorFlow, SQL, R, Tableau, Jupyter

Tools: Git, GitHub, VS Code, Docker, Jenkins, REST APIs, Postman

Cloud/DB: AWS (EC2, S3), Azure, Firebase, MongoDB, MySQL

Testing: Jest (JS), JUnit (Java), pytest (Python)

Languages

English: Fluent, **Runyankore / Rukiga**: Fluent, **Luganda:** Good Proficiency, **Spanish:** Basic

Education

Bachelor of Software Engineering: Mbarara University of Science and Technology (2022 – 2025)

Work Experience

- ❖ **Software Developer Intern | CAMTech Uganda (Sept–Oct 2023)**

Built a health-focused voicebot (Python, ESP32, ChatGPT API) enabling 100+ users to access health info via touchless voice queries.

Led cross-functional team as Project Manager, delivering the MVP on time

❖ **Full Stack Developer Intern | John Vince Engineering (June–July 2024)**

Developed HostelEase (React, Node.js, MongoDB), a booking system used by 500+ students, reducing manual registration efforts by 50%.

Implemented secure auth, responsive UI, and real-time availability filters.

❖ **Software Contributor-Ment-Well | Hackathon   (October 2023)**

Prototyped a mental health chatbot (AI/Conversational UI) in a team sprint.

❖ **Leadership & Volunteering : Cell Leader at St. Luke's Chapel (2023–2024)**

Mentoring 20+ members and coordinating outreach programs.

Projects

✧ **Crop Advisor| Python, Flask, React**

AI-driven web app for crop/fertilizer recommendations; 60% higher accuracy than manual methods. Optimized UI for low-bandwidth rural users; led backend/model training.

✧ **LugaLingo | React, Node.js, Firebase**

Gamified language-learning app with 30% higher user retention via progress tracking.

✧ **HostelEase | React, Node.js, MongoDB**

Streamlined hostel bookings for students, cutting administrative overhead.

✧ **PyCodeCommenter | Python (AST parsing), PyPI Packaging**

Automated Google-style docstring generator library; saves developers significant manual documentation time.

Trainings & Certifications

❖ 9th Medical Hackathon Participant, CAMTech Uganda (2023).

❖ AI Symposium, Mbarara University of Science and Technology (Feb 2025) .

- ❖   1st Ever IT Quiz, Mbarara University of Science and Technology.
- ❖   Firefighting Awareness, Police Kabale (Feb 2019) .