CURRICULUM VITAE

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ABOUT ME

I am an enthusiastic Electronics and Computer Engineering graduate with a solid foundation in electrical engineering principles and computer science fundamentals. My academic and hands-on experience spans web systems development, embedded systems, networking, and AI-driven health applications. I possess strong organizational skills, a keen eye for detail, and a passion for solving complex problems through innovative, user-centered solutions. Proficient in software development, UI/UX design, and cross-functional teamwork, I am driven to apply my knowledge in real-world settings that demand creativity, precision, and continuous learning.

EDUCATION

- **Bachelor of Engineering, Electronics & Computer Engineering** – Soroti University (2021 – 2025)
- **Uganda Advanced Certificate of Education** – Makindye Secondary School (2019)
- **Uganda Certificate of Education** – Makindye Secondary School (2017)
- **Primary Leaving Examinations Certificate** – Buloba Church of Uganda Primary School (2013)

EXPERIENCE

Intern, Makerere AI Health Lab
June 2024 – August 2024

- Participated in the development of AI-powered diagnostic tools for microscopy-based disease detection.
- Conducted hands-on training of healthcare workers on using mobile and AI-based diagnostic systems.
- Assisted in the design and deployment of a 3D-printed adapter for smartphone-microscope integration.

- Contributed to the testing and improvement of the Ocular AI App for real-time medical image analysis.
- Supported the integration of embedded systems with health technology to enhance diagnostic accuracy.

Intern, ETHOS
June 2023 – August 2023

- Designed and developed a dynamic website for ETHOS, incorporating features such as user registration, event scheduling, and real-time notifications.
- Applied modern front-end technologies to create responsive and user-friendly interfaces.
- Collaborated with a multidisciplinary team, enhancing both technical and interpersonal communication skills.
- Gained experience in project planning, client requirement analysis, and agile development.

IT Technician, Mima Technologies Ltd
May 2023 – August 2024

- Installed and configured software applications and time attendance systems.
- Participated in setting up and troubleshooting LAN networks.
- Contributed to front-end web development and graphic design tasks.
- Provided technical support and interacted with clients for IT systems maintenance.

TRAININGS & WORKSHOPS

Certificate in Generative AI (Foundational Course)

April – May 2025

Completed a national AI-skilling initiative organized by the Otic Foundation, gaining foundational knowledge and practical experience in generative AI technologies.

Participant, National ICT Job Fair

17th – 18th October 2023

Engaged with ICT companies, startups, and government agencies to explore career opportunities and industry trends. Attended workshops and panels on emerging technologies and

employability, and networked with professionals for insights into AI, software development, and ICT infrastructure.

ACADEMIC & PERSONAL PROJECTS

- **Home Control System** – Arduino-based system for remote appliance control with a UI developed in Visual Studio and prototypes in Figma.
- **Hospital Management System** – C-based CLI app for managing patient records and hospital data.
- **Networking Simulation** – Designed and simulated enterprise networks using Cisco Packet Tracer.
- **Parking Assistant System** – Smart parking aid using Arduino Uno, ultrasonic sensors, and buzzer feedback.
- **Internship Management System – Soroti University** – Web-based system for automating student placement, supervision, and reporting (PHP, MySQL, HTML, CSS, JavaScript).
- **BLE Sensor Navigation System** – BLE-powered indoor navigation aid for visually impaired users with obstacle detection.

KEY SKILLS

- **Programming Languages:** HTML, CSS, JavaScript, Python, C, PHP
- **Frontend Frameworks & Libraries:** ReactJS, Bootstrap, Tailwind CSS
- **Backend & Full-stack Frameworks:** Next.js, Django
- **Machine Learning:** Supervised Learning, Unsupervised Learning
- **Database Management:** MySQL, SQLite
- **Tools & Technologies:** Git, Figma, VS Code

SOFT SKILLS

- Communication
- Adaptability
- Active Listening
- Emotional Intelligence

HONORS & AWARDS

- Best Intern, Makerere AI Health Lab – 2024

LEADERSHIP

- GRC Non-Gazetted Hostels, Soroti University (2022–2023)
- Guild Minister for Internal and Foreign Relations, Soroti University (2022–2023)

REFERENCES

1. Eng. Ivan Tim Oloya

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2. Dr. Ssetumba Tonny

PhD in Electrical Engineering

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3. Mrs. Peace Masiko Hasahya

CEO, ETHOS

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4. Dr. Anna Nagwaya

PhD in Applied Economics

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