

OKOTH SHELDON BILLY

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<https://github.com/Sheldon-Billy>

EDUCATION

Multimedia University of Kenya
Degree INFORMATION TECHNOLOGY

Rongai, Kenya
On Going

EXPERIENCE

Multimedia University

Nairobi, Kenya

University's Work Study Program

2023 to date

Work study program was provided by the University under the direction of the Dean of students.

Through the act of teamwork, discipline and dedicated hard work, I was extremely exposed to thrilling experiences and I got my base foundation in Coding, Web design and software development sectors.

Smart touch Limited

Migori, Kenya

Front End Developer

June 2024 – October 2024

Developed firsthand client application with UI, using React JS Tailwind CSS and JS

Created User Designs for clients Using COREL application

Skills

Frontend Development: React JS, HTML, CSS, Java Script

Backend Development: Django, Express JS

UI: Figma, Visual Basic.

Database: PostgreSQL, MongoDB, MySQL

Programming Languages: Python, Java Script, Java, C++, C#

PROJECTS

- **Ai-Driven Crop detection and prevention system:** <https://lively-smoke-0fda9f70f.6.azurestaticapps.net/>

I Developed an AI-driven crop disease detection and prevention system utilizing Python, machine learning, and computer vision to enable early identification and management of crop diseases, as well as React and JavaScript for the front end, thereby enhancing agricultural productivity and sustainability.

- **Ai Powered Dermatology Assistant:** <https://purple-river-00fd8ef0f.6.azurestaticapps.net/>

With a team of three, we developed an Ai powered Dermatology assistant, a software capable of diagnosing and giving immediate and effective recommendations to the user. This was achieved by leveraging Azure AI models and Api(s), Microsoft Fabric and integrating AI agents. Tech stack include, React JS, Tailwind CSS, JS, ML, DL, and Django.

Networking & Security:

- **Network Setup & Configuration:** Configured a small network with multiple devices (routers, switches, computers) using tools like Wireshark for packet analysis and troubleshooting. I obtained the skills on CISCO Networking Course
- **Basic Cybersecurity Project:** Developed a simple intrusion detection system (IDS) or implemented basic security measures on a virtual machine.

Data Analysis & Visualization:

- **Data Analysis Project:** Analyzed a dataset (e.g., public data, personal data) using Python (with libraries like Pandas, NumPy, and Matplotlib/Seaborn) to extract insights and create visualizations like charts and graphs.
- **Machine Learning Model:** Developed a simple machine learning model (e.g., for image classification, sentiment analysis) using Python libraries like scikit-learn or TensorFlow.