TIMILEHIN AFOLAYAN
Software Engineer

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Portfolio

OVERVIEW

A Full-Stack Software Engineer with a Bachelor of Science Degree in Software Engineering from Cavendish University, Uganda. Achieving 4+ years' experience in coding and building User-Friendly and responsive websites and applications.

CERTIFICATE

Cavendish University, Uganda.
B.Sc. in Software Engineering | Transcript

SKILLS

Programming Language: JavaScript, PHP, Python, Java, and MySQL.
Markup Languages and Platforms: HTML, CSS, React.js, Node.js, Django, Google Colab, GitHub and Microsoft 365.
Tools: Git, Apache PHP Admin, Bootstrap.
Soft Skills: IT Technical Support, Microsoft Office, Fast Typing, Problem Solving, Adaptability, Teamwork and collaboration, Work Flexibility (remote or on-site), Time management, Critical thinking, Attention to details.

EXPERIENCE

BACKEND DEVELOPER
Altim Pharmacy (01/2025 – 03/2025)

WEBSITE DEVELOPER
Okediji Femi Art Studio (08/2024 – 01/2025)

STEMSEL
Runlic Internship (11/2023)
- Worked on projects involving smart control systems using web technologies.
- Collaborated with a team to develop software solutions for real-world applications.

DATA SCIENTIST/ANALYST Internship
AFEX Commodities Limited, Uganda (05/2023 – 07/2023)

AFEX pan-African organization championing efficient trade and wealth creation through the commodities market in Africa. By addressing food system challenges, we generate impact that flows to the bottom of the pyramid, improving both individual livelihoods and national fortunes.

- Used Python (Google Colab) for data integration. - Helped manage the Company's App called Workbench.
- Supervised Loan disbursement to farmers and made reports.

IT TECHNICAL SUPPORT Internship
Nigerian High Commission, Uganda (05/2022 – 07/2022)

The Nigerian Embassy has a consular department to service Nigerian citizens as well as local citizens with a wide array of consular services, such as signatures and document legalization, visa, passports, trade information and much more. - Attending to Citizens with any problem related to capture or renew their Nigerian passports.

- Troubleshooting and IT support. - Supporting the head of chancery in interviewing citizens, preparing documents for issuance, write meeting minutes and support the information officer.

PROJECTS

WEATHER FORECAST APP – React App

Project | April 2025 | [Github](#)

Developed a responsive and interactive weather application using React.js and the OpenWeatherMap API. The app enables users to search for weather forecasts by city in the world, auto-detects current location, and displays real-time weather updates along with local time. Integrated dynamic UI elements that reflect current weather conditions, enhancing user experience and engagement.

TIMIAI - AI Developer / Machine Learning Engineer

Project | Mar 2025 | [Github](#)

TimiAI is a lightweight, AI-powered chatbot developed using Microsoft's Phi-2 (2.7B parameters) model. Built with Python, Hugging Face Transformers, PyTorch, ipywidgets, and bitsandbytes, the chatbot supports real-time interactions, including question answering, calculations, and date/time queries. It features a Jupyter Notebook interface, integrates a fact-based knowledge system, and utilizes 4-bit quantization for optimized performance on resource-limited environments like Google Colab.

OKEDIJI FEMI ART STUDIO – Website Developer

Remote | Jan 2025 | [Github](#)

The website is developed to provide clients and users Okediji Femi Sculptor arts, painting, clay molding and drawing, creating unique and expressive artworks.

LAW FIRM – Website developer Remote

| 2024 | [Github](#)

It is designed and developed as a responsive, professional website for a law firm to enhance its online presence.

TSUUP – Application Developer

Project | 2024 | [Github](#)

The Tsuup application is developed to provide users with a comprehensive solution for accessing Egusi recipes and ordering ingredients. This application targets individuals interested in preparing Egusi dishes and those seeking a convenient way to obtain the necessary ingredients. The scope of this research covers the design and implementation of the Tsuup mobile application, with functionalities restricted to the following:

- **Recipe Information:** Providing detailed ingredients for preparing Egusi Soup.
- **Preparation Steps**: Providing step-by-step preparation guides for the Egusi recipe.
- **Ordering System:** Enabling users to order Egusi recipe directly through the application, it redirects you to a website where users can order from.

SMART FAN CONTROL – IOT

Project | 2023 | [Github](#)

It is a web-based IOT project with an integrated UI control system for a smart fan using HTML, CSS, and JavaScript. Implemented manual and voice control functionalities for turning the fan on/off and adjusting speed.

ONLINE E-TICKET SYSTEM – Web app developer

Project | 2021 | [Github](#)

It is a comprehensive web-based platform designed to book flight tickets. This innovative system aims to provide travelers with a convenient and efficient way to manage their travel arrangements, from selecting flights to making secure online payments. Targeting both individual travelers and travel agencies, the system integrates advanced technology to enhance user experience and operational efficiency.