

TIMILEHIN AFOLAYAN

Software Engineer

+ 2349046057937, +2347063562423

afolayantimi555@gmail.com

<https://github.com/timilehin07>

[linkedin.com/in/timilehin-afolayan](https://www.linkedin.com/in/timilehin-afolayan)

[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 Languages: JavaScript, TypeScript, PHP, Python, Java, MySQL.

Frameworks & Platforms: React.js, Node.js, Django, HTML, CSS, Bootstrap, Google Colab.

Tools & Version Control: Git, GitHub, Microsoft 365, Apache PHP Admin, JSON, YAML.

Core Competencies: Data Structures & Algorithms, Algorithmic Complexity, Dynamic Programming, Graph Algorithms (Shortest Paths, Network Flow), String Processing (Pattern Matching, Hashing), Performance Optimization, Test Automation.

Soft Skills: IT Technical Support, Problem Solving, Critical Thinking, Teamwork & Collaboration, Adaptability, Flexibility (Remote/On-site), Time Management, Fast Typing, Attention to Detail.

EXPERIENCE

FULL-STACK ENGINEER

Funkash Technology (05/2025 – Present)

BACKEND DEVELOPER

Altim Pharmacy (01/2025 – 03/2025)

WEBSITE DEVELOPER

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

STEMSEL

Runlic Internship (11/2023)

DATA SCIENTIST/ANALYST Internship

AFEX Commodities Limited, Uganda (05/2023 – 07/2023)

IT TECHNICAL SUPPORT Internship

Nigerian High Commission, Uganda (05/2022 – 07/2022)

PROJECTS

INVISIBILITY CLOAK

Project | Aug 2025 | [Github](#)

This project creates a real-time invisibility effect using your webcam by detecting a specific color (Blue) and replacing it with the captured background — just like magic!

INTERACTIVE SNAKE CURSOR

Project | Aug 2025 | [Link](#)

Interactive snake cursor demo built with HTML5 Canvas and vanilla JavaScript. Showcases smooth, physics-based animation, trigonometry, and modular OOP design. A creative frontend project demonstrating advanced cursor interaction and canvas rendering

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.

TIMI AI - 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 4bit 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.