Akinwande Tomisin Enoch

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EDUCATION

Bachelor of Science in Software Engineering, Nile University of Nigeria (2022 – Present)

SKILLS

Languages: Python, SQL, JavaScript, Java (Beginner), HTML, CSS.

Frameworks/Libraries: pandas, numpy, seaborn, matplotlib, django, FastAPI, React, TailwindCSS, Django Rest Framework, Sass, BeautifulSoup.

Tools: Jupyter Notebook, Git, MSSQL Server, PostMan, Docker, VMWare Fusion, Firebase.

Technical Skills: Data Analysis, Backend Development, Frontend Development, Statistics

WORK EXEPERIENCE

Data Science Intern at ChitHub Co Ltd   *July 2024 - Oct 2024*

- Developed and containerised a data-intensive API using FastAPI for generating result summaries, aggregates and visualisations in the ERMS application.
- Automated the population of databases with result data using Python scripts.
- Implemented an AI model locally using Python to generate description metadata for different electoral divisions.
- Implemented web scrapers using BeautifulSoup to get states' descriptions from Wikipedia.

Frontend Developer at Medbolt   *Aug 2023 - Dec 2023*   Landing Page | Web App

- Developed the landing page for the Medbolt AI solutions flagship product Medbolt, an AI powered healthcare solution.
- Implemented the user interface of the Medbolt web application using ReactJS and SCSS.

Software Engineering Student at Nile University

Development Lead for Tourify   *Mar 2024 – May 2024*   Tourify Website

- Headed the design and development of Tourify, a conceptual technology startup aimed at improving tourism within Abuja.
- Collaborated with other members of the design team in creating prototypes of website's intuitive user interface using Figma.
- Led the implementation of the design into a functional website using ReactJS and SCSS. Collaborated with and guided other members of the development team in completing the implementation within established deadlines.
- Implemented user authentication and a simple backend using Firebase.

Cyber Security Practicals   *Oct 2023 – Jan 2024*

- Installed and worked extensively with virtual machines like Metasploitable and Kali-Linux for ethical hacking and cybersecurity-oriented functionality.
- Implemented password cracking of MD5 hashed passwords using Hashcat.
- Practised port scanning, network monitoring, and packet tracing on TCP networks using Metasploitable framework and Wireshark.

Food Review Blog   *May 2023 – Jun 2023*   [Food Review Blog](#)

- Built a static website using HTML, CSS and vanilla JavaScript for reviewing food vendors within Nile University.
- Implemented a user-friendly interface that allows users to view the different available vendors, their menus as well as my ratings and reviews of the respective vendors.

PROJECTS

Taskify App   Jul 2023 - Oct 2023   [Frontend Repo](#) | [Backend Repo](#)

- Programmed a secure RESTFul API with Django Rest Framework and JWT Authentication for a task management application supporting multiple users. The backend stores user profiles with their bio, profile pictures and names by extending the built-in Django authentication user model.
- Created a task model to represent different tasks with a task header, long description, task theme, due date and the user who assigned the task.
- Implemented serilalizers to return responses in JSON format for use in the React frontend.
- Constructed reusable React components for the user interface of the web application. Added dynamic changes to the app by using state, context, reducers, custom hooks and routing.

Sticky Notes App Replica: *Mar 2023 - Jul 2023*   [Github Repo](#)

- Built a clone of the windows Sticky Notes app using Django and for the backend, HTML and SASS for the frontend, and TinyMCE Rich-Text editing.
- Hosted the Django backend and provisioned a remote PostgreSQL database on Railway free tier.
- Implemented additional features to allows users to create accounts and store notes on specific accounts.

COURSE WORK & CERTIFICATIONS

Course Work: Data Structures and Algorithms, Database Management Systems I, Software Construction, Introduction to Web Technologies, Introduction to Cybersecurity.

Certifications: Khan Academy Statistics & Probability, Freecodecamp Responsive Web Design.