# BLESSING EDMUND KWAME DOGBE

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🐙 github.com/GeekKwame · 🌐 Portfolio

## PROFILE

Full Stack Developer specializing in building scalable, modern web applications using **React, Django, and Python**. Strong background in Applied Mathematics, bringing analytical thinking and systematic problem-solving to software development. Passionate about clean code, RESTful API design, and delivering user-focused digital solutions with measurable business impact.

## EDUCATION

**Kwame Nkrumah University of Science and Technology (KNUST)**       **Jan 2021 – Aug 2024**
*BSc in Applied Mathematics*                                          *Kumasi, Ghana*

## TECHNICAL SKILLS

**Languages:** Python, JavaScript (ES6+), HTML, CSS, SQL
**Frameworks & Libraries:** Django, Django REST Framework, React, Tailwind CSS, Flask
**Databases:** MySQL, SQLite, Relational Database Design
**Tools:** Git, GitHub, Postman, VS Code, Chrome DevTools, npm/yarn
**Concepts:** RESTful APIs, Full-Stack Development, Authentication, Data Analysis, Software Testing
**Deployment:** Vercel, Netlify, PythonAnywhere

## PROJECTS

**Book Website (Full Stack)**                                        **2025**
*React (Vite), Django REST Framework, Python*                         *Personal Project*

– Built a full-stack book tracking web application with complete CRUD functionality using React and Django REST Framework.

– Implemented RESTful API endpoints for creating, listing, updating, and deleting books with proper HTTP methods.

– Designed a modern dark, glassmorphism-inspired UI with responsive layout and immersive background styling.

– Configured CORS for secure frontend-backend communication and wrote basic automated tests for API behaviors.

**Notes Application (Full Stack)**                                    **2025**
*React, Django REST Framework, Python*                                *Portfolio Project*

– Developed a full-stack notes application with CRUD functionality using React and Django REST Framework.

– Implemented RESTful APIs for note management with clean separation of frontend and backend concerns.

– Built a responsive, dark-themed UI with auto-save and real-time update behavior.

– Focused on scalability, maintainable code structure, and intuitive user experience.

**Indeed Job Scraper**                                               **2024**
*Python, BrightData API*                                             *Personal Project*

– Built a Python-based automation tool to collect job listings from Indeed using BrightData API.

– Performed data cleaning, structured results, and exported datasets to CSV for analysis.

**Movie Recommendation System**                                      **2024**
*Python, Pandas, Scikit-learn, Streamlit*                            *Academic Project*

– Designed a recommendation engine using similarity-based machine learning techniques.

– Deployed an interactive web interface with Streamlit for real-time recommendations.

**Speech Emotion Recognition System**                                **2024**
*Python, Keras, Librosa*                                             *Machine Learning Project*

– Developed a real-time emotion classification system using audio signal processing and deep learning.

– Extracted MFCCs, Zero Crossing Rate, Energy, and Pitch features for emotion prediction.

## Experience

**Kwame Nkrumah University of Science and Technology (UITS)**          Oct 2024 – Sep 2025
*Information Technology Technician*          *Kumasi, Ghana*
- – Provided technical support for faculty and students, troubleshooting hardware, software, and network issues.
- – Maintained IT infrastructure, ensuring system reliability and minimal downtime across departments.

**M365Connect**          Dec 2024 – Mar 2025
*Python Backend Developer Intern (Remote)*          *Germany*
- – Developed backend services using Django, focusing on scalable REST API design.
- – Integrated third-party services and implemented automated web scraping solutions.
- – Worked on database optimization and backend performance improvements.

**HubbleMind**          Nov 2024 – Dec 2024
*Data Science Intern (Remote)*          *India*
- – Preprocessed health datasets using encoding techniques, outlier treatment, and feature engineering.
- – Built machine learning models for obesity level prediction and evaluated model performance.

**Zidio Development**          Aug 2024 – Nov 2024
*Data Science Intern (Remote)*          *India*
- – Developed machine learning models for speech emotion recognition and recommendation systems.
- – Applied audio signal processing techniques and collaborative filtering methods.

**Lerato Consult**          Nov 2022 – Dec 2024
*OS Technician & IT Support Assistant*          *Accra, Ghana*
- – Installed, configured, and maintained Point of Sale (POS) systems for retail and hospitality clients.
- – Provided on-site technical support, reducing system downtime and improving client satisfaction.

## Certifications

- **Learn React** - Scrimba (View Certificate)
- **The Full Stack** - Meta (View Certificate)
- **APIs** - Meta (View Certificate)
- **Django Web Framework** - Meta (View Certificate)
- **Databases for Backend Development** - Meta (View Certificate)
- **Machine Learning With Python** - IBM (View Certificate)
- **System Administration and IT Infrastructure Services** - Google (View Certificate)
- **Deep Learning & Neural Networks With Keras** - IBM (View Certificate)
- **Version Control** - Meta (View Certificate)
- **Programming in Python** - Meta (View Certificate)
- **Python for Data Science & Machine Learning** - Udemy (View Certificate)