

Taiye Babatunde

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EDUCATION

University of Ilorin

B.Eng in Computer Engineering

Ilorin, Kwara

July 2021 – Present

EXPERIENCE

Internship at HNG

July 2024 – August 2024

Remote

- Developed a Flask API to capture user IP (using X-Forwarded-For header if present) and provide location and weather info based on the IP
- Developed a REST API with Flask that enables JWT-based user authentication, registration and login. It supports organization management, user-organization linking, and secure data handling with bcrypt, organized using Flask Blueprints for modularity.
- Explored ways to visualize GitHub collaboration in a classroom setting

Internship at ICT Department of University of Ilorin Teaching Hospital

March 2025 – Present

On-site

- Operating System Installation & Troubleshooting.
- Computer Hardware Maintenance.
- Software & Driver Installation.

PROJECTS

Blog | *Python, Flask, Sqlite, Flask-CKEditor, Disqus, Bootstrap*

- Built a personal blog that features text editing with Flask-CKEditor post editing, and pagination, with a responsive UI using Bootstrap.
- Developed admin page to manage blogs and blog post
- Enabled user comments with Disqus

Whatsapp Chatbot | *Python, Flask, WhatsApp Business API (Meta), Google Generative Language API*

- Developed a real-time WhatsApp chatbot using Python, integrating the WhatsApp Business API (Meta) and Google Generative Language API (Gemini 2.0) to enable automated, AI-powered responses.
- Built a Flask-based webhook server to handle incoming WhatsApp messages and verification requests.
- Integrated WhatsApp Business API to send and receive messages, authenticating with a bearer token.
- Utilized Google's Gemini model (v1beta) to generate conversational replies.
- Processed JSON payloads for API communication and webhook data parsing.

TaskQueue | *Python, Flask, Redis, Celery*

- Developed a Flask-based task management application with features for adding, completing, and deleting tasks.
- Implemented email notifications using Celery and Redis to alert users when tasks become overdue.
- Incorporated timer-based scheduling for notifications, ensuring reminders are sent promptly based on deadlines.

FunChat | *Python, Django, Postgresql*

- Developed a full-stack web application enabling users to register, log in, and participate in topic-based discussion rooms.
- Implemented user authentication and authorization using Django's built-in auth system, including login, logout, and custom registration.
- Created dynamic views for room creation, updates, and deletion, with access control ensuring only authorized users can modify content.
- Built an activity feed, user profiles, and a searchable list of rooms and topics to enhance community interaction and content discoverability.

ResultSync | *Python, Playwright, Python-SMTP, Twilio*

- Developed automated result-checking functionality using Playwright to log in, navigate to the student portal, and verify result availability.
- Integrated Twilio API to send WhatsApp notifications to multiple contacts and implemented email alerts using SMTP, with credentials managed via environment variables for security.
- Created modular notification functions for both email and WhatsApp, ensuring real-time updates when results are released, with error handling for seamless notification delivery.

CERTIFICATIONS AND ACHIEVEMENTS

Data Privacy Tech Competition Certificate

- Recognized for participation in a tech competition focused on data privacy solutions. Contributed to building Mundus, a Chrome extension that simplifies data policies and enhances user privacy.

Cisco NetAcad Cybersecurity Certificates and Badges

- Introduction to Cybersecurity (Certificate)
- Network Basics, Resource Specialist (Badges)

Frontend Masters

- Intermediate Python Course (Certificate)

TECHNICAL SKILLS

Languages: Python, HTML, CSS

Frameworks: Flask, Django

Developer Tools: Git, Github, Docker, VS Code

Libraries: Playwright

Linux: bash