**Adu, Ayomide Oluwanifesimi**

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# Professional Summary

Backend software engineer with expertise in creating reliable web applications with Flask and solid Python abilities. competent in user-focused backend programming, SQL-based database integration, and RESTful API architecture. skilled at writing clear, testable code and working with cross-functional teams. knowledgeable about the concepts of FastAPI and actively developing skills in testing, deployment processes, and backend design patterns. eager to contribute to scalable backend systems and fast-paced teams. Having gained a year of practical development experience, I am a significant long-term contributor to any engineering team because of my unwavering desire to learn, develop, and solve real-world challenges.

# Education

**Federal University of Technology, Akure (FUTA)**

* M.Eng. in Civil Engineering (Awaiting result)
* B.Eng. in Civil Engineering (2016-2021)

**Robotics and Artificial Intelligence Nigeria (RAIN), Ibadan**  
Web Development & AI Trainee (June 2024 – June 2025)

* Developed expertise in Flask backend development, RESTful API design, and database systems.
* Built and deployed functional web applications with authentication and speech interfaces.

# Technical Skills

* **Programming:** Python
* **Backend Development:** Flask, RESTful APIs, Authentication, Web Security
* **Testing:** Unit testing, integration testing (learning-focused)
* **Frontend:** HTML, CSS, JavaScript (basic React knowledge)
* **Database Management:** MySQL, PostgreSQL
* **Version Control:** Git
* **Cloud & Deployment:** Python anywhere, Vercel, basic AWS

# Professional Projects

**School Management Website**

* Designed and developed a fully functional school management system with a responsive UI for desktop and mobile.
* Built with Flask (backend), MySQL (database), and JavaScript (voice-to-text functionality).Implemented secure authentication and role-based access.
* **Github**: <https://github.com/TechAI-Innovator/school-management-system.git>
* **Live site**: <https://school-management-system-two-sand.vercel.app>
* **Note:** It's pre-registered, just for demo. (Specific usernames and password, new register will not be saved)

**Personal Website with Database Integration**

* Built a personal portfolio website to store and manage information about services and projects.
* Used Sqlite to store service details, project details, and image paths.
* Integrated Flask for backend operations and data retrieval.
* Github: [TechAI-Innovator/personal-website: A website to display my services and projects done](https://github.com/TechAI-Innovator/personal-website)

**Job Recommendation and Automated CV Generator System**

* Developed a full-stack web platform to match users with job opportunities and generate personalized CVs.
* Built a Flask backend to handle user inputs, job scraping, profile analysis, and CV generation using LLMs.
* Integrated a responsive frontend interface and managed user sessions and job tracking.
* Focused on NLP techniques, data handling, and dynamic content generation.
* Github: <https://github.com/TechAI-Innovator/AI-job-recommendation-and-CV-generation.git>

**Healthcare Translation Web App**

* Built a multilingual voice-to-text and text-to-speech translation system using Flask and AI APIs.
* Integrated real-time translation and voice recognition.
* Deployed using Vercel and PythonAnywhere.
* **Github**: <https://github.com/TechAI-Innovator/healthcare-translation-app.git>
* **Live sites**:
  + <https://techainnovator.pythonanywhere.com>
  + <https://healthcare-translation-app-nine.vercel.app>

# Soft Skills

* Fluent in English (written & spoken)
* Fast learner, adaptable, and eager to contribute
* Strong problem-solving and analytical skills
* Collaborative and independent work styles
* Time management & multitasking

# References

Available on request.