Akmal Alabi

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SKILLS

- **Programming Languages**: JavaScript, TypeScript, Python, Java, C++, SQL, C
- **Frameworks & Tools**: React, Next.js, Flask, Docker, Git, Scratch Jr., Roblox Studio
- **Technologies**: Vercel, RESTful APIs, Cloud Computing (AWS), SQL/NoSQL Databases
- **Development Methodologies**: Agile, CI/CD, Test-Driven Development (TDD), Debugging,
- **Areas of Expertise**: Software Development Lifecycle (SDLC), Full Stack Development, Backend Architecture, Scalable Systems

PROJECTS

Wiki Dungeon *(Winner, The Big Bang E-Week Hackathon –ACM)*| **FastAPI, React, OpenAI**   February 2025
- Built an AI-driven **Wiki Dungeon**, winning **1st place out of 15+ teams** by gamifying learning.
- Improved content retrieval efficiency by **parsing 100+ Wikipedia links** with **BeautifulSoup** in real time.

Property Rental Website | **Next.js, React, MongoDB, Tailwind CSS**   February 2025
- Built a **full-stack** property rental platform with **Next.js 14**, featuring user authentication (**NextAuth**), property CRUD, image uploads (**Cloudinary**), and interactive maps (**Mapbox**).
- Implemented secure **route protection**, internal messaging, real-time notifications, and a responsive **UI** (**Tailwind CSS**) for an enhanced user experience.

Mobile To-Do List App   September 2024
- Developed a task management app using **React Native** and **Expo**, incorporating real-time synchronization and an intuitive UI.
- Enhanced application performance and compatibility for **IOS** and **Android** platforms, ensuring seamless user experiences.

EDUCATION

The George Washington University, School of Engineering and Applied Science   Washington, DC
Presidential Scholar, Bachelor of Science in Computer Science   **May 2026**
Coursework: Artificial Intelligence, Operating Systems, Algorithms, Database Systems, Systems Programming

CERTIFICATIONS

AWS Certified Cloud Practitioner   February 2025
- Proficient in **AWS** (EC2, S3, Lambda, RDS), **Vercel** deployments, and building scalable **React**, **Next.js**, and **Docker** apps with CI/CD.

Next.js From Scratch 2024 - Udemy   December 2024
- Built scalable web apps with **Next.js**, integrating **MongoDB** and **Cloudinary** for data storage and media management.

PROFESSIONAL EXPERIENCE

CodeAdvantage: STEM/Coding Instructor,
January 2025 – Present
- Taught coding and robotics to K-8 students using tools like Scratch Jr., Roblox Studio, and Minecraft, enhancing technical and critical thinking skills.

George Washington University: Digital Ambassador
October 2023 – March 2024
- Designed digital campaigns, increasing user engagement by **40%** and social media followers by **20%**.
- Leveraged data analytics to refine content strategies, achieving a measurable boost in online community interactions.

LEADERSHIP AND ACTIVITIES

National Society of Black Engineers, Secretary
August 2023 – April 2024
- Improved internal and external communications, boosting event participation by **25%**.

Association for Computing Machinery, Programing Chair
April 2023 – April 2024
- Orchestrated 12+ technical workshops and hackathons, increasing engagement by **40%** through event planning.

Amazon University Event: BEN Tech (Black Employee Network): Summer Prep, Attendee
Amazon University Event: BEYA 2025, Attendee