

ADEMOLA ABDULKAREEM

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Education

Introduction to Computer Science (CS50x) [online] Main Courses: Linux, C, JavaScript, Python, Data Structures, HTML, CSS, SQL, Frontend and Backend technologies.	Harvard University <i>September 2023</i>
CS50's Web Programming with Python and JavaScript [online] Main Courses: JavaScript, Python, Django, HTML, CSS, Docker, cloud.	Harvard University <i>June 2024</i>
Cloud Engineering. Main Courses: Basics of Technology, Basic Frontend, Linux, Shell scripting DevOps, Cloud technologies, and platforms.	Alt-school Africa April 2023
Veterinary medicine [DVM].	University of Ilorin July 2023

Experience

Software Developer Digital Fortress institute.	December 2024 – Present
<ul style="list-style-type: none">➤ Develop and maintain dynamic, responsive websites tailored for educational and institutional needs using React, Django, and Node.js.➤ Instruct and mentor students in Full-Stack Web Development, covering frontend, backend, databases, and deployment best practices.➤ Design and implement scalable web solutions, ensuring security, performance, and accessibility for diverse users.➤ Guide students through real-world projects, helping them build portfolio-ready applications while reinforcing key industry skills.➤ Collaborate with teams to improve curriculum design, integrating the latest technologies and industry trends into learning modules.➤ Deploy and manage applications using cloud services (AWS, Vercel, Render) for seamless scalability and reliability.	
Full-Stack Developer Educational Applications.	April 2024 – November 2024
<ul style="list-style-type: none">➤ Developed multiple education-focused applications to enhance learning experiences, track progress, and provide personalized recommendations.➤ Key Responsibilities:<ul style="list-style-type: none">▪ Frontend Development: Built responsive and user-friendly interface using React, ensuring seamless navigation and an engaging user experience.▪ Backend Development Designed and implemented robust server-side logic and RESTful APIs using Django, enabling efficient data handling and integration.▪ Authentication and Security: Utilized Simple JWT for secure user authentication and authorization.▪ Deployment and Maintenance: Deployed applications on AWS, managing EC2 instances, integrating S3 for storage, and ensuring security with SSL certificates.▪ Impact: Improved the tracking and management of educational resources, resulting in enhanced user engagement and better data accuracy.	
Web Development Intern CodSoft.	September 2024 – October 2024
<ul style="list-style-type: none">➤ Participated in a virtual internship focused on learning and hands-on projects in web development.➤ Key Responsibilities:<ul style="list-style-type: none">• Developing a job board website allowing employers to post job openings and job seekers to search and apply for jobs using React, Django, and PostgreSQL.• Created an online quiz maker platform enabling users to create and take quizzes, complete with user authentication and responsive design.	
Educative Camp	May 2022 – June 2022
<ul style="list-style-type: none">▪ Conducted hands-on sessions to teach students basic web design principles.▪ Covered essential topics like HTML, CSS, and JavaScript to build foundational skills in web development.▪ Mentored students through practical exercises and project-based learning, fostering a deep understanding of web technologies.	

Projects

Education Tracker <i>Simple-JWT, Django-rest-framework, React, Tailwind-CSS, Aws, Git.</i>	April 2024 – Present
<ul style="list-style-type: none">▪ Developed a full-stack web application using with Django serving a REST API with React as the frontend▪ Implemented simple-JWT authentication to ensure user's data security ss▪ Successfully launched the app on AWS with secure data handling via SSL certificates.	

CS50W Projects | *Django, JavaScript, Html, CSS, Git.*

December 2023 – June 2024

- Completed diverse projects to demonstrate proficiency in web development
- Built and deployed complex web applications, including an e-commerce site and a social-media platform. Utilized platforms like vercel and python-anywhere for quick deployment

AltSchool Capstone Project| *Infrastructure Setup with Terraform.*

March 2023

- Collaborated in a team of 7 to deploy and maintain a fully functional web application using cloud platforms.
- Automated infrastructure setup with Terraform, ensuring scalability, security, and efficient multi-server configurations.
- Managed continuous integration and deployment processes, optimizing performance and improving reliability

The Odin Project Final Projects| *JavaScript, Html, CSS, Git.*

May 2022 – March 2023

- Developed interactive web applications as part of The Odin Project's curriculum.
- Created a working calculator and a Tic-Tac-Toe game, demonstrating a solid grasp of front-end development.
- Built a responsive webpage, showcasing proficiency in web design and user interface development.

Technical Skills

Languages: Python, C, SQL (SQLite), JavaScript, HTML/CSS.

Frameworks: React, Django, Tailwind-CSS, Django-rest-framework, Bootstrap.

Developer Tools: Git, Docker, Linux, Terraform, AWS, VS Code, nginx.