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CONTACT

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ABOUT ME

A highly motivated **Computer Scientist** and **Front-End Engineer** with a strong foundation in **software development, artificial intelligence, and computer science principles**. Proficient in **React.js, JavaScript, and modern front-end frameworks**, with extensive experience in **designing, building, and optimizing scalable web applications**. Skilled in creating intuitive and high-performance user interfaces, integrating APIs, and ensuring seamless user experiences. Beyond front-end development, I have expertise in **Python for simulation, data analysis, and AI-driven solutions**, alongside proficiency in **CAD software for technical design applications**. Passionate about **solving complex computing problems**, leveraging advanced technologies, and driving innovation. Seeking an opportunity to apply my technical expertise and contribute to forward-thinking projects in a dynamic and collaborative environment.

WORK EXPERIENCE

08/02/2024 – CURRENT Ogun, Nigeria

Front-end Engineer Foodie

- Designed and developed responsive user interfaces using modern front-end frameworks like React.js and Vue.js, improving user experience and accessibility.
- Integrated new front-end technologies and optimized existing UI components to enhance application performance and reduce load time by 20%.
- Contributed to the redesign and implementation of scalable UI architectures, improving maintainability and code reusability.
- Conducted research and development (R&D) on front-end best practices, UI/UX trends, and performance optimization techniques.
- Collaborated with backend developers to integrate APIs, ensuring seamless data flow and application functionality.
- Maintained detailed documentation of UI components, design systems, and front-end development processes.
- Optimized web applications for cross-browser compatibility, accessibility, and responsiveness across different devices.

16/10/2023 – 23/04/2024 Ijebu-Ode, Nigeria

Software Engineering Tech Hub intern Tai Solarin University of Education

- Worked with senior developers to design and maintain user-friendly web interfaces for university projects and tech solutions.
- Contributed to the development and optimization of web applications using HTML, CSS, JavaScript, and React.js.
- Collaborated with the technical team to troubleshoot UI issues and improve application responsiveness across devices.
- Assisted in integrating APIs and backend services to ensure seamless data flow in web applications.
- Utilized Git and version control systems for tracking code changes and maintaining project efficiency.
- Gained hands-on experience in UI/UX design principles and web performance optimization techniques.
- Documented development processes, bug fixes, and improvements for future reference.

01/01/2024 – 22/09/2024 Lagos, Nigeria

Software Developer Intern Alx Africa

- **Developed Responsive Web Interfaces:** Designed and implemented user-friendly web pages using HTML, CSS, and JavaScript, ensuring cross-browser compatibility and responsiveness.
- **Collaborated on Front-End Projects:** Worked with peers to develop dynamic web applications, enhancing user experience through interactive features and optimized performance.
- **Utilized Version Control Systems:** Managed code repositories and collaborated with team members using Git and GitHub, maintaining a streamlined workflow and code integrity.
- **Engaged in Peer Learning Sessions:** Participated in weekly peer learning activities, sharing knowledge and collaboratively solving front-end development challenges.
- **Completed Capstone Project:** Led the front-end development of a capstone project, integrating APIs and ensuring a seamless user interface aligned with modern design principles.

EDUCATION AND TRAINING

10/04/2021 – 16/09/2024 Ago-iwoye, Nigeria

Computer Science (Bachelor of Science) Olabisi Onabanjo University

Website https://oou.edu.ng/ | **Field of study** Engineering, manufacturing and construction | **Final grade** Second Class(Upper Division) |
Level in EQF EQF level 6 | **Thesis** Design and Development of a Quadruped Home Surveillance Robot

07/09/2014 – 17/08/2020 Ijebu-Ode, Nigeria

Senior School Certificate Sacred Heart Catholic College

Website https://sacredheart-edu.com.ng/ | **Level in EQF** EQF level 3

LANGUAGE SKILLS

MOTHER TONGUE(S): Yoruba | English

Other language(s):

German

  Listening A2
Spoken production A2
  Reading A2
Spoken interaction A1
  Writing A1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

DIGITAL SKILLS

Microsoft Office | Zoom | Frameworks: Tailwind CSS, TypeScript, React JS, Node JS | Node.Js, React.Js | Siemens TIA Portal V14
(Application for automation applications) | SQL | Computer VIsion | Web Designing & Web Development | Python | PLC-
programming | Git | SIEMENS Simatic step7 | BoostrapCSS, TailwindCSS

PROJECTS

12/01/2024 – 17/08/2024

Development of a Maize Leaf Disease Detection Model Using Artificial Neural Networks

- Designed and developed a deep learning-based maize leaf disease detection system, integrating advanced computer vision techniques for accurate disease classification.
- Implemented an Artificial Neural Network (ANN) model using Python and TensorFlow to analyze maize leaf images and detect diseases with high precision.
- Optimized image preprocessing techniques, including contrast enhancement and noise reduction, to improve the clarity and quality of disease detection.
- Utilized OpenCV for image segmentation and feature extraction, ensuring accurate identification of infected leaf regions.
- Integrated the model into a user-friendly interface using Streamlit, enabling real-time disease diagnosis for farmers and agricultural experts.

Link https://github.com/Adesanya221/Maize-Leaf-disease-detection-model-using-AI

06/05/2024 – CURRENT

Foodie App Development

I am currently developing a mobile app that can be used for food ordering and food delivery, this mobile app is being built with the react native framework (expo). I am using firebase to handle the backend technology

making the app very versatile. You can check out the code base below on my GitHub account

MANAGEMENT AND LEADERSHIP SKILLS

Head of Group for Multiple Class Projects

- Coordinated and supervised group projects in both theoretical and experimental areas.
- Communicated effectively with group members and instructors, ensuring timely completion and quality of deliverables.
- Demonstrated critical thinking skills in solving challenges.

Head of Group for the WEB APPLICATION DEVELOPMENT Project

- Coordinated with group members to achieve maximum efficiency in the execution of the project
- Deployed problem-solving techniques to expedite solution generation.
- Distributed problems based on academic and technical capability

Teaching Assistant in The Department of Computer Science

- Collaborated with faculty on the development and enhancement of course materials, assignments, and laboratory exercises.
- Supervised laboratory sessions, ensuring safe and effective use of equipment, and maintained laboratory protocols.
- Assisted in the grading of assignments and provided constructive feedback to students to aid their academic development.

VOLUNTEERING

13/10/2016 – 24/11/2019 Ijebu-Ode

Tutorial for Primary school Students

I tutored a batch of 10 students every year for three years to prepare them for the Junior Secondary school common entrance examination for free. The children whose parents could not afford a private teacher or tutor and all the students I tutored passed extremely well.

08/02/2024 – CURRENT Lagos

Sensitization About The Importance of Information Technology

I carried out this volunteer procedure under the National Youth Service Corp. The responsibility we shouldered was to reach as many schools as we we could in the space of a year and sensitize young minds about the importance of Information Technology in Nigeria and the world. We also organized free coding hackathon where young minds were introduced and trained in some simple programming languages. The exercise was a success.

08/02/2024 – CURRENT Ikorodu, Lagos

Sanitation Sensitization

This volunteering opportunity was tailored towards bring awareness to cleanness in the markets, we go to different markets around Ikorodu, Lagos, where we carry out all forms of cleaning jobs from sweeping, to garbage disposals at the market. This will be for a period of a year.