Ridwan Adesina Yahya

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Education

University of Ilorin　　　　　　　　　　　　　　　　　　　　　　　October 2023
Bachelor of Engineering in Computer Engineering (GPA: 4.38 / 5.00)　　　　　*Ilorin, Kwara*
- **Relevant Coursework:** Introduction to VHDL, Embedded Systems Design, Control Systems and Automation, Computer Architecture, Software Development Principles and Software Engineering

Experience

Ihifix Innovation Hub　　　　　　　　　　　　　　　　　　　　　　Nov 2023 – Present
Software Engineer　　　　　　　　　　　　　　　　　　　　　　　　*Kaduna, Kaduna*
- Designed and developed functional components for an educational website using React and Redux.
- Connected various endpoints to the back-end and ensured seamless experience
- Worked with different testing tools and frameworks, content management systems and cross-functional teams to smoothly complete projects
- Assisted in training young people in technical skills

MUSTECH Labs　　　　　　　　　　　　　　　　　　　　　　　April 2022– April 2023
Embedded Systems Intern　　　　　　　　　　　　　　　　　　　　　*Ilorin, Kwara*
- Coded software updates to add new features, close security holes and resolve defects.
- Collaborated across technical and design teams to produce innovative software applications.
- Designed and developed an automatic fire alarm system in collaboration with co-workers
- Applied Arduino software to integrate hardware and software components.

FEMTECH Training Institute　　　　　　　　　　　　　　　　　　　May 2019– Jan 2020
Junior Software Developer　　　　　　　　　　　　　　　　　　　　　*Ilorin, Kwara*
- Participating in code reviews to improve code quality and learn best practices
- Learning new programming languages, frameworks, and tools relevant to the project.
- Contributing to documentation such as technical specifications and user manuals.

Projects

Development of a Vehicle Traffic Monitoring and Logging System | *C++, Arduino, googleColab, Python, bytetrack, yolo-deep-learning*
- Trained over 5000 vehicle data sets on the Yolo algorithm to develop the model.
- Designed and develop the User Interface for the vehicle count
- Developed the circuit diagram for the traffic camera connection
- Deployed the model on google colab for testing.
- Wrote the arudino code for the camera connection using C++

Ubefu | *HTML, CSS, Tailwind, JavaScript, TypeScript, React, Redux, Node*　　　An Educational website for learners
- Developed a tutor dashboard for the tutors and connected it's endpoint
- Built a CI/CD pipeline using Jenkins and Docker, reducing deployment time by 40% and ensuring consistent and reliable releases.
- Worked on all the authentication pages and connected all the endpoints.
- Built the landing dashboard for the students, admin and the tutor and ensured responsiveness

Automatic Door opening mini-project | *Arduino, Esp-32, C++, Embedded System, PIR Sensors*
- Designed the circuit diagram and flow chart for the project
- Ensured error free circuit connection and tested the circuit
- Wrote the arduino code using C++ for the esp-32 micro-controller

Professional Affiliation

- Graduate Member, Institution of Nigerian Society of Engineers (NSE)
- Member Computer Engineering Students Association (CESA)
- Member Nigerian Universities Engineering Students Association (NUESA).

Technical Skills

Languages: HTML, CSS, JavaScript, TypeScript, C, C++, Python
Technologies: React.js, Redux, Vercel, Git, GitHub
Concepts: Compiler, Operating System, Virtual Memory, Cache Memory, Encryption, Decryption, Artificial Intelligence, Machine Learning, Neural Networks, API, Database Normalization, Agile Methodology, Cloud Computing

Certifications

FrontEnd Development Libraries Certificaton (FreeCodeCamp)

JavaScript Algorithm and Data Structures Certification (FreeCodeCamp)

Responsive Web Design Certification (FreeCodeCamp)

Linux Unhatched Certification (Cisco Academy)

Introduction to IoT (Cisco Academy)

JavaScript Essentials Certification (Cisco Academy)

Papers

"Vehicle Traffic Monitoring and Logging System" Undergraduate Research Paper, University of Ilorin (Publication in view)