

## OJUTALAYO FOLUSO OLUKAYODE

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### EDUCATION

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**Ladoke Akintola University of Technology, Ogbomoso, Nigeria**

**October 2016 – August 2023**

*Bachelor of Technology, Computer Engineering (CGPA 3.73/5.0)*

Thesis: Design and implementation of an automatic fire detector and alarm using phone call feature of a GSM-module for feedback

### RESEARCH INTERESTS

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Robotics, Artificial Intelligence, Ethical Hacking, Network Security, Web Development and Design, Human Computer Interaction

### RESEARCH EXPERIENCE

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**Undergraduate Research Assistant || Student Industrial Work Experience || LAUTECH**

**October 2019**

- Planned and developed solar systems, modules, inverters and other components
- Designed and constructed a 2KVA solar inverter system for office use
- Designed and constructed a remote-controlled smart lighting system
- Installed solar panels and inverter system

**Final Year Thesis**

**February 2022 – April 2023**

*Research Assistant, Shelter Electronics and Laboratory*

**Research Mentor:** Engr. Abraham

- Conducted investigations on automated fire alarm detection systems that utilizes a GSM-module's phone call function and an alarm buzzer to notify users in the event of fire outbreak
- Designed a system that consists of hardware components such as a microcontroller, sensors, a GSM module, power supply unit and some other electrical components implemented together with a software designed on the Arduino IDE and embedded into the microcontroller
- Followed several testing phases that ensured the device would function as intended
- Evaluated the performance of the automated fire alarm detection systems affirming that it detects the presence of fire and notifies the user in the event of a fire outbreak

## **TEACHING EXPERIENCE**

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### **Academic Tutor**

**December 2020 – July 2021**

Ladoke Akintola University of Technology, Ogbomoso, Nigeria

- Taught physics and mathematics to over 200 PUTME, JAMB, NECO, and WAEC students, with over 130 students doing well in these exams.
- Tutored an average of 50 students on engineering mathematics, Introduction to computer programming, engineering mechanics, basic electricity and electronics, network analysis and electromechanical systems.
- Mentoring students with low academic standings, which resulted in rapid improvement in their performances

### **Instructor/Mentoring**

**March 2022 – August 2023**

Ladoke Akintola University of Technology, Ogbomoso, Nigeria

- Trained five enthusiasts on graphics and ui/ux designing, visual representation practices and adobe and other design applications
- Created a local business's logo and branding designs using design applications and built a basic landing page for the business as a mode of assessment
- Designed and printed souvenirs to the students as encouragement upon completion of their training

## **PROFESSIONAL INTERNSHIP EXPERIENCE**

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### **Intern**

**March 2017 – October 2020**

Turtledove Aterlier., Ibadan, Nigeria

- Learnt graphics design and print including visual effects and 3D modelling
- Attended to various photography and photo editing needs of clients
- Designed souvenirs and printed flyers for different kinds of events

### **Intern**

**August – December 2021**

Trace Media LTD, Ibadan, Nigeria

- Maintained up-to-date knowledge of industry trends in graphic design technology and tools
- Collaborated with designers to create clean, simple and informative interactive designs
- Prepared illustrations and rough sketches of material, discussing them with clients and making necessary changes

### **Intern**

**February 2022 – November 2023**

Procue Brand (Remote)

- Learnt how to use Content Management Systems (WordPress)
- Learnt User Interface Design using Figma
- Created designs, concepts, and layouts, based on knowledge of design principles

## PUBLICATION (UNDER REVIEW)

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Falohun, A. S., Oguntoye J. P., Oguntoye S. I., and Ojutalayo, F. O. (2024). Design and Implementation of a Fire Outbreak Detection System Using Buzzer and GSM Phone Call for Feedback. *J Appl Res Technol Eng, Volume* (Issue), start page-end page. DOI

## TECHNICAL PROJECT

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- Learnt the basics of HTML, CSS, Bootstrap, Tailwindcss and Firebase
- Designed front-end projects for personal portfolio
- Researched Linux distros, installed Ubuntu and Kali Linux on oracle virtual box
- Set up a XAMP server

## TECHNICAL SKILLS

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- Programming languages: Python, Javascript
- Graphics and UI/UX design: Adobe applications, Figma
- Networking and Troubleshooting: ISO/OSI model, TCP/IP, Routing and Switching
- Operating Systems: Windows, Linux

## SOFT SKILLS

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- Excellent communication, presentation, documentation and collaboration skills
- Strong organizational skills and detail oriented
- Ability to work independently and as part of a team
- Quick learner and adaptable to new technologies

## CERTIFICATIONS

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| • Youth Empowerment in Agribusiness Program (YEAP) | <b>November 2017</b> |
| • SoloLearn C++ programming certification          | <b>June 2020</b>     |
| • SoloLearn JavaScript programming certification   | <b>June 2021</b>     |
| • Google Digital Marketing certification           | <b>June 2024</b>     |

## REFEREE

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### **Adeleye S. Falohun, Professor and CSE Graduate Programs Head**

Department of Computer Engineering

Ladoke Akintola University of Technology

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### **Professor M.O. Ologunde**

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