

# ALIYU HAKEEM TOSIN

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## SUMMARY

A graduate of Computer Science, AI/ML Professional with hands-on experience in Python, machine learning, and deep learning. Proficient in building AI-driven solutions, including NLP-based applications, computer vision models, and AI-powered automation. Strong foundation in data analysis, model training, and web integration using Flask. Passionate about leveraging AI to solve real-world problems and continuously advancing in the field.

## EXPERIENCE

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### **ITO, (Epiconsult Clinic & Diagnostics), F.C.T Abuja Nigeria**

June 17, 2025 –

- Managed IT operations across hardware, software, networking, website development, and data analysis.
- Provided technical support for computer systems, printers, internet/network connectivity, and other IT infrastructure.
- Developed, maintained, and improved web-based platforms to support organizational operations and digital presence.
- Supported data analysis, reporting, and digital documentation processes for better decision-making and workflow efficiency.
- Troubleshoot hardware and software issues, ensuring smooth daily operations across departments.
- Assisted with digital solutions, automation, and system improvements to enhance service delivery and operational performance.

### **Key Achievements**

- Developed and managed the official Epiconsult Clinic & Diagnostics website.
- Built and maintained the Epitome Model Islamic Schools website.
- Developed the Epitome Schools Exam Portal Software to support online examinations and student assessment.
- Contributed to improved digital operations through web development, IT support, networking, and data-driven solutions.

### **AIML Developer, (Robotics and Artificial Intelligence Nigeria (RAIN), Oyo State Nigeria) June 17, 2024 – June 28, 2025**

- Learned the theories, concepts, and practical applications of AI and ML technologies.
- Responsible for developing and validating AI models and algorithms to improve the

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performance, accuracy and efficiency of the existing model.

- Worked with raw data sets, clean the inputs, and structure data properly to enable machine learning algorithms to analyze it.
- Maintained the documentation of AIML models, research findings, and share the same with the team.

## Key Achievement (s)

- Developed a Web app that detects AI generated text in any formats.
- Developed a movie-based recommender system using user-based and item-based collaborator filtering.

**Epitome Model Islamic School EMIS mararaba Nasarawa State Nigeria** March, 2021 – November, 2023

- Responsible for the setup and daily maintenance of the computers and all hardware related devices in the school
- In charge of developing software and management solutions for the school
- Responsible for writing and compiling Epitome yearly reports

## Key Achievement (s)

- I was a key Member of the Coordination team set up during the school's recently installed Fibre optic Network Installation for the school's CBT Center.

**Nigerian Breweries, Ibadan Oyo State Nigeria**  
December 2018

January 2018 –

- **Hardware Support:** Monitoring and Maintenance of all the Computer Systems in Nigerian Breweries
- **Full System Setup:** Setting up Desktops, Laptops Printers, Photocopiers, and Cisco telephones extensions for Users in Nigerian Breweries
- **Email Configuration:** Set up and Configuration of Emails for Users in Nigerian Breweries.
- **Server Room Maintenance:** Ensuring the Server rooms are adequately maintained to prevent Network failures.
- **Firewall Updates:** Remote installation of Firewall updates on all the computer systems in Nigerian Brewery to prevent an external attack or Cyber-attack.

## PROJECTS

### ACE: Plagiarism & AI generated Text Detection

- **Objective:** Developed a Web-app to detect AI-generated text from plain text, PDFs, URLs, and documents.
- **Technologies Used:** Python, Flask, Scikit-Learn, tys
- **Key Achievement:** Achieved high performance metrics in AI generated text classification in terms of accuracy, precision, recall, and F1-score, which significantly improved the model's ability to detect AI generated texts

### ACE: A Smart E-Commerce System

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- **Objective:** Built a voice- and chat-enabled e-commerce system that helps users find and order products through natural conversations.
- **Technologies Used:** Python, JavaScript, Flask, Html/css, Llama3, Scrapper api, Kokoro TTS, Langchain, BeautifulSoup (CNNs)Memory (LSTM) Networks, Media pipe, YOLO model, Scikit-Learn.
- **Key Achievement:** Successfully Integrated product search automation with real-time scraping from Jumia based on user input and voice triggers

## Jannah: Health Management& Tracker System)

- **Objective:** Developed a Web-based Health management System to monitor & track the health of SCA Individuals (Sickle Cell Anaemia).
- **Technologies Used:** Python, Flask, JavaScript, Html/css, openai, llama3, Arduino, DHT11 sensor.
- **Key Achievement:** Created a functional website that successfully detects real time temperature of the city surrounding and sends a notification alert to users.

## AREAS OF EXPERTISE/SKILLS

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ML Algorithms || Programming Languages such as Python || Deep Learning Model || Computer Vision || Data Science || Object Detection|| || Mathematics || Research Skills || Teamwork and Collaboration || Flexibility and Adaptability || Continuous learning and Professional Development || Communication and Interpersonal skills || Leadership and Mentorship || || Web design and development

## EDUCATION AND QUALIFICATION

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<b>AIML Developer.</b> Robotics and Artificial Intelligence Nigeria, Oyo State Nigeria	2024 – 2025
<b>HavardX</b> (online Learning Initiative of Havard University) 2020 Introduction to Computer Science (Jan 2020 – June 2020)	Jan 2020- Jun
<b>BSc. Computer Science</b> Fountain University, Osun State State Nigeria	2014 – 2017
<b>WASSCE.</b> Government Day Secondary School, Abuja FCT	2002 - 2008

## LANGUAGE(S) SPOKEN

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Fluent in English

## INTERESTS/HOBBIES

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Health&Medicine, CSI, Reasearch, Robotics, Football

## REFEREES

**Mrs. Aminat Akinyemi Ayoola** || Director of Academic Program, Robotics and Artificial Intelligence Nigeria || [aaebunoluwa@gmail.com](mailto:aaebunoluwa@gmail.com) || Relationship: Project Supervisor/Lecturer

**Mrs. Adetomi Adetoye** || Director Epitome Model Islamic Schools (EMIS) || [adetomiadetoye@gmail.com](mailto:adetomiadetoye@gmail.com) || Relationship: Boss