

# IYIDOBIA CHINONYE

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Proactive 400-level Medical Student at the University of Nigeria combining clinical training with advanced technical proficiency. Possesses hands-on experience in community health outreach, data analysis (Python, SPSS), and web development (React). Aims to leverage this unique clinical-technical background to solve complex problems at the intersection of medicine and technology.

## EDUCATION

### University of Nigeria, Nsukka

Expected August, 2028

Bachelor of Medicine, Bachelor of Surgery (**M.B.B.S.**), Major in **Medicine and Surgery**

- **CGPA:** 4.95/5.00
- Passed 2nd MB Professional Examinations

## LEADERSHIP EXPERIENCE

### Chief of Staff, South-East NIMSA Emerging Leaders Forum (NIMSA ELF)

2025

Directed the administrative operations of the South-East zonal executive council, ensuring the seamless execution of the tenure's strategic mandate.

- Served as the principal advisor to the Regional Coordinator, facilitating high-level communication and conflict resolution within the executive team.
- Streamlined logistical workflows for regional leadership summits and capacity-building events, significantly improving organisational efficiency.

### Deputy Campus Representative, University of Nigeria,

### Enugu Campus, Nigerian Medical Students Association

2025

- Co-managed all campus-level NiMSA activities, including event planning, student mobilization, and official correspondence.
- Hosted a webinar on mental health preservation for medical students preparing for their 2nd MB examination.
- Assisted the Campus Representative in all administrative duties and served as the primary student contact in their absence.
- Represented the academic and welfare interests of UNEC students during national and zonal caucus meetings, contributing to policy discussions.

### Director of Academics, UNN College of Medicine, Class of 2028

2024-2025

- Continued to act as the primary academic liaison between an increased class of 450+ students and the faculty.
- Organised and coordinated peer-led tutorial sessions for students, focusing on complex topics like Anatomy, Physiology and Biochemistry.
- Continued the management of the already created digital library of academic resources.

### Director of Academics, First Year Medical and Dental Students Association

2024

- Acted as the primary academic liaison between a class of 150+ students and the faculty, communicating curriculum feedback and exam schedules.
- Organised and coordinated peer-led tutorial sessions for students, focusing on complex topics like Physics and Chemistry.
- Managed and curated a digital library of academic resources, improving class-wide access to study materials and past questions.
- Organised a debate and academic awards at the end of the session.

## CLINICAL & COMMUNITY EXPERIENCE

### Public Health Volunteer, University of Nigeria Medical Students Association, Enugu, Nigeria

June 2025

- Assisted in the strategic planning and logistical coordination for a campus-wide hepatitis awareness and screening campaign.
- Provided peer-to-peer education on hepatitis transmission and the importance of screening.

### Medical Volunteer, First Year Medical and Dental Students Association, Nsukka, Nigeria

April 2024

- Performed rapid diagnostic testing (RDTs) for **Hepatitis A, B, C, and HIV/AIDS** on students during a high-volume campus health drive.

- Led campus-wide promotional broadcasting and outreach efforts to maximize student participation.
- Managed patient intake and provided pre-screening counseling on testing procedures and viral prevention.

### **Volunteer Caregiver, Holy Child Motherless Babies Centre, Enugu, Nigeria**

**July-August 2021**

- Tutored resident children in core subjects, including Mathematics, English, and Moral Education.
- Assisted staff with daily operations by managing key chores, such as cooking, facility cleaning, and laundry.

## **CERTIFICATIONS, SKILLS & INTERESTS**

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- **Technologies:**
  - **Programming Languages:** Python, JavaScript, HTML/CSS
  - **Full-Stack Development:** React, Node.js, Express.js, Flask, MongoDB (MERN Stack)
  - **Data Analysis:** SPSS, Pandas, Matplotlib
  - **Tools & Platforms:** Git, GitHub, REST APIs
- **Skills**
  - **Clinical & Public Health:** Rapid Diagnostic Testing (RDTs), Patient Counseling, Vital Signs Monitoring, Public Health Promotion
  - **Research & Analysis:** Biostatistics, Data Analysis, Research Methodology
  - **Leadership & Communication:** Team Leadership, Event Planning & Logistics, Public Speaking
  - **Digital Health Strategy (AI Integration)**
  - **Research Data Management:** Zotero, NotebookLM

## **PROJECTS**

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### **AI-Powered Twitter Automation Bot**

[github.com/justin-r9/twitter-bot](https://github.com/justin-r9/twitter-bot)

- Engineered an autonomous content pipeline in **Python** to source topics from the **Reddit API (PRAW)**, generate unique commentary using the **GLM-4.5-Flash AI** model, and post to the **Twitter API (Tweepy)**.
- Developed a **Flask** web application with an HTML frontend to serve as a remote control panel, allowing an admin to start, stop, and monitor the bot's live-streamed logs.
- Scripted a custom, ethical AI prompt to analyze trending posts and generate insightful, constructive comments, successfully fostering positive engagement.
- Implemented professional-grade architecture for autonomous operation, including rotating log files, timezone-aware scheduling, and robust error handling for daily/monthly API quotas.
- **Tech Stack:** Python, Flask, HTML

### **Secure University Voting Platform**

[github.com/justin-r9/voting-app](https://github.com/justin-r9/voting-app)

- Developed a secure, full-stack university voting application from the ground up using the MERN stack (MongoDB, Express.js, React, Node.js) to provide a seamless and reliable election experience for both voters and administrators.
- Engineered a robust RESTful API with Node.js and Express, featuring JWT-based authentication to secure endpoints and differentiate between standard user and administrator roles.
- Architected a dynamic, responsive frontend in React with a component-based structure, creating two distinct interfaces: a user-facing dashboard for voting and profile management, and a comprehensive admin panel for complete control over the election.
- Implemented advanced backend functionalities, including role-based access control, multer for candidate photo uploads, and xlsx for parsing and processing bulk voter registrations from Excel files.
- Designed and modeled complex database schemas with Mongoose for multiple collections, including users, candidates, eligible voters, and votes, ensuring data integrity and efficient querying for real-time result aggregation.
- **Tech Stack:** MongoDB, Express.js, React, Node.js