

# Micah JATAU

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## *Research Interest*

Clinical Natural Language Processing, Biomedical Informatics, Electronic Health Records Optimization, Decision Support Systems in Low-Resource Settings, Data Quality and Completeness in Health Systems, and Precision Medicine for Public Health Impact

## *Education*

Bachelor of Medicine, Bachelor of Surgery (MD)	University of Jos, Jos, Nigeria	2019
<i>Project:</i>	Knowledge, attitude, and practice (KAP) of hand hygiene among adults of Gwafan community, Jos (2017).	
High school Diploma (WAEC). 1 <sup>st</sup> in my class (Valedictorian)	Shepherd's International College, Akwanga, Nasarawa State, Nigeria	2011

## *Work Experience*

- ❖ Federal University Teaching Hospital, Department of Ophthalmology, Lafia, Nasarawa State. 2022 - Present

**Position:** Medical Doctor

### **Responsibilities:**

- Led an EMR performance audit of 2500+ ophthalmology records, designing indicators and dashboards in R and PostgreSQL; improved documentation completeness from 45% to 90% and reduced chart completion time by ~40%.
- Developed pre- and postoperative cataract management protocols aligned with WHO and AAO guidelines.
- Manage emergency and outpatient eye clinics, seeing up to 50 patients per clinic.
- Educate over 100 patients monthly on their conditions, prognosis, and disease prevention strategies.
- Supervise and mentor junior doctors on clinical protocols, data documentation, and quality improvement methods.

- ❖ Daisyland Orthopedic & Trauma Hospital, Jos, Plateau state. July - Sept 2022

**Position:** Medical doctor

### **Responsibilities:**

- Stabilized and admitted an average of 10 trauma patients daily in the emergency department.
- Managed out-patient care for chronic conditions, treating up to 30 patients weekly.
- Conducted daily rounds for approximately 10 in-patients, providing ongoing assessment and treatment.

- Engaged in outpatient consultations and follow-ups for an average of 25 orthopedic patients per week.
- Executed administrative tasks, including issuing medical reports for about 8 discharged patients weekly.

❖ General Hospital, Toro, Bauchi State

Aug 2021  
-July 2022

**Position:** Medical doctor

**Responsibilities:**

- Provided 24-hour on-call services, admitting and treating an average of 10 patients per shift.
- Diagnosed and treated chronic conditions for approximately 100 patients per week.
- Interviewed and developed treatment plans for about 20 patients weekly.
- Performed about 15 major surgeries weekly.

❖ Nigerian Police Clinic, 8th Division, Jos, Plateau State

Feb - June  
2021

**Position:** Medical Doctor

**Responsibilities:**

- Improved patient outcomes for over 200 patients through enhanced clinical quality processes over 4 months.
- Referred approximately 50 patients to medical specialists for advanced management.
- Evaluated test results and suggested management options for up to 25 patients per week.

❖ Ahmadu Bello University Teaching Hospital, Zaria, Kaduna State

Dec.2019-  
Dec.2020

**Position:** Medical Intern

**Responsibilities:**

- Conducted daily rounds for about 20 patients, identifying and addressing concerns.
- Assisted in research projects, collecting data from over 100 patient reports and interviews.
- Collected and transported laboratory specimens for diagnostics, handling more than 30 samples per week.

***Research & Projects***

- **Akurba Community Eye Health Study – Principal Investigator (2025)**  
Community-based cross-sectional study (N=244) on prevalence and pattern of eye disease and visual impairment in rural Nasarawa State; ethics-approved, data analysis in R, manuscripts in preparation.
- **EMR Performance Audit – Ophthalmology Department (2023–2024)**  
Evaluated 2500+ EMR records to assess documentation quality and workflow efficiency. Designed KPIs and dashboards in R and PostgreSQL; implemented template and workflow changes that increased documentation completeness from 45% to 90%.
- **Cataract Management Protocol Development (2024)**  
Developed standardized pre- and postoperative cataract protocols aligned with AAO guidelines.

## ***Teaching Experience***

***Institution:*** General Hospital, Toro, Bauchi state.

***Position:*** Medical officer

### ***Responsibilities:***

- Taught clinical history taking and examination to improve patient evaluation skills.
- Explained the purpose of regular laboratory investigations and the interpretation of the results to guide further patient management.
- Demonstrated how to use common bedside equipment and the interpretation of the findings.
- Demonstrated how to carry out basic bedside procedures, such as urethral catheterization and Nasogastric tube insertion as a means of intervention.
- Conducted bedside teaching during ward rounds to integrate theoretical and practical skills

## ***Honors/Awards***

- Award of Excellence, Federal University Teaching Hospital, Lafia, Nasarawa State, Nigeria 2025  
2022
- Award of service, Nigeria Christian Corpers' Fellowship, Nigeria.
- Merit Scholarship Award, Received Chevron Nigeria Limited JV Scholarship Award from Chevron Nigeria Limited, University of Jos, Jos, Nigeria (\$2000). 2013-2018
- Certificate of Excellence, best graduating student, Shepherd's International College, Akwanga, Nasarawa State, Nigeria. 2011
- Certificate of Excellence, Best student in Nasarawa State (Qualified for National finals), Cowbell Senior Mathematics competition, Shepherd's International College, Akwanga, Nasarawa State, Nigeria. 2010

## ***Community and Outreach Experience***

- Volunteer, Nigerian National Petroleum Corporation, Free Cataract Extraction Surgeries, Federal University Teaching Hospital, Lafia, Nasarawa State, Nigeria. May, 2025
- Co-organizer, Free Medical outreach with Retroviral and Hepatitis B screening and counselling, delivery of contraceptives and educational materials with General Hospital, Toro in Toro community, February 2022
- Speaker, Health talks including sex education at secondary schools within Toro LGA, HIV/AIDS group, Community Development Services, National Youth Service Corps, Toro, Bauchi State, August 2021 - July 2022.
- Volunteer, Association of Resident Doctors health outreach, Shika community, Zaria, Kaduna state, November 2020.
- Volunteer worker, Plateau State Specialist Hospital, Jos, Plateau State, 2019.
- Volunteer, Christian Medical and Dental Students' Association health outreach, Bassa, Plateau State, 2018.
- Volunteer, Jos University Medical Students' Association health outreach, Jos, Plateau State, 2018.

## ***Academic Posters***

**Jatau M.**, Mbak J. L., Mandik K., Egbuchiem, A. N., Labaran G.O, Kasem N., Jolumo T. M., Mbak J. L., Mandik K., Egbuchiem, A. N. (June 2017) A study on health-seeking behavior among members of the Lamingo community, Jos, Nigeria. University of Jos, Nigeria.

### ***Seminar Presentation***

**Jatau M.**, Egbuchiem, A. N., Labaran G.O, Kasem N., Tsavsua T., Adolong. W, Jolumo T. M., Ibrahim H. (June 2018) Antiretroviral therapy: Regimen selection, resistance, complications, and prevention of HIV infection. (Class seminar presentation). Department of Internal Medicine. University of Jos, Nigeria.

**Jatau, M.** (November 2020) Biopsy in surgery: Principles, techniques and its role in patient management. (Seminar Presentation) Ahmadu Bello University Teaching Hospital, Zaria, Nigeria.

### ***Professional Certifications and Licenses***

- Certificate of Provisional Registration as Medical Practitioner issued by the Medical and Dental Council of Nigeria (MDCN) 2019
- Certificate of Full Registration as Medical Practitioner issued by the Medical and Dental Council of Nigeria (MDCN) 2021
- Annual Practicing License issued by the Medical and Dental Council of Nigeria (MDCN) 2019 – 2024

### ***Continuing Medical Education (CME) & e-Learning***

- **Medical ICT (Non-Clinical)** — *Seoul National University Bundang Hospital / KHIDI* August 2025
- **Introduction to OSHA – Safety Standards and Compliance** — *Coursera / Coursera Instructor Network* May 2025
- **Good Clinical Practice (ICH-GCP E6 R3)** – *Global Health Training Centre* 2025
- **MEAL Essentials** – *DisasterReady* 2025
- **DHIS2 Intro + Aggregate Data Analysis** – *HISP, University of Oslo* 2025
- **Project Management Essentials** – *DisasterReady* 2025

### ***Technical skills***

- CDC Epi info™ (intermediate)
- Microsoft Office - Excel, PowerPoint, Word (Proficient)
- R- open-source statistical programming language (Intermediate)
- PostgreSQL (Intermediate)
- Linux
- Technical writing skills
- Health Information Systems: Electronic Medical Records, DHIS2, digital data collection tools

### ***Membership in Professional Organizations***

- Nigerian Medical Association (Member)

- Association of Resident Doctors, Nasarawa state chapter (Member)
- National Association of Resident Doctors (Member)
- Digital Health Interoperability Network (Member)

## ***References***

### **1. Uvrikaa Akumaga, Ph.D.**

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Hydrology and Remote Sensing Laboratory,  
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### **2. Rita Ewuga, MD**

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