MOHAMMAD-JAMIU BABATUNDE BALOGUN

Kano State, Nigeria

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EDUCATION

Bayero University, Kano – Kano State, Nigeria   **2017 – 2024**
B.Eng. - Telecommunications Engineering - **First Class Honours**   *CGPA - 4.64*

TECHNICAL SKILLS AND INTERESTS

Programming Languages: C, Python, JavaScript, HTML5, CSS3, SQL
Frontend Development: ReactJS, Next.js, TailwindCSS
Backend Tools: Node.js, Firebase, MongoDB, MySQL
Version Control: Git, GitHub
Technologies and Frameworks: Hugo SSG, Gemini AI API, LaTeX
Relevant Coursework: Data Structures & Algorithms, Operating Systems, Object-Oriented Programming, Database Systems, Software Engineering
Areas of Interest: Web Development, API Integration, Telecommunications, IoT, 5G/6G Wireless Communication, Cybersecurity
Soft Skills: Problem-Solving, Self-learning, Leadership, Collaboration, Adaptability

PERSONAL PROJECTS

MonoEd Africa ⎘ | Next.js, Gemini AI API, TailwindCSS   **Dec 2024 – Present**

- Built a platform for African students with tools like a logbook generator and scholarship finder.
- Used APIs like Gemini AI and Next.js Server Actions to improve functionality.
- Led the project to empower students and provide real solutions to educational challenges.

Savings Target App | MongoDB, Express.js, ReactJS, Node.js   **In Progress**

- An app to help users set, track, and achieve savings goals.
- Designed using the MERN stack with real-time savings updates.

Job Portal 2024 | ReactJS, TailwindCSS   **2024**

- Developed a job portal for connecting job seekers with employers.
- Built with a responsive design using ReactJS and TailwindCSS.

Online Educational Website ⎘ | HTML, JavaScript, Hugo SSG   **2021 - Present**

- Created a website simplifying engineering concepts for students.
- Attracts over 10,000 monthly readers with useful content.

EXPERIENCE

SmartBukites (Remote)   **Dec 2022 – Mar 2024**
Academic Content Creator & Developer   *Lagos, Nigeria*

- Created and published academic content, including articles and explanatory YouTube videos, to enhance student engagement and promote educational excellence.
- Leveraged advanced technical skills to transition into the developer team, where I contributed to building educational tools using ReactJS, NextJS, and Vercel.
- Collaborated with a multidisciplinary team to develop and maintain the website, ensuring optimal performance and user experience.

M. Yahaya and Associates   **Dec 2022 – May 2023**
Telecommunication Engineering Intern   *Kano State, Nigeria*

- Conducted experimentation using the ArcGIS API with JavaScript to display interactive maps and enhanced skills in using ArcGIS software for complex geographic data analysis and mapping projects.
- Diagnosed and resolved issues with routers, computers, and other network devices.
- Improved techniques in managing and analyzing larger sets of survey data using Excel.

M. Yahaya and Associates   Oct 2021 – Dec 2021
IT Support Intern   *Kano State, Nigeria*

- Diagnosed and resolved issues with routers, computers, and other network devices.
- Managed and analyzed survey data using Excel.
- Documented all maintenance and repair actions, submitting detailed reports to GPs/GIS technologists.

Bayero University, Kano   Nov 2019 – Dec 2019
Student Intern   *Kano State, Nigeria*

- Assembled and tested a rechargeable lamp enhancing circuit design and assembly skills.
- Fabricated and welded iron parkers and stools, gaining metalworking experience.
- Built interlocks and road caps, improving construction skills.

CERTIFICATIONS

- Junior Cyber Security Analyst - **Cisco**. ⬈
- Network Support and Security - **Cisco**. ⬈
- Member, Nigeria Institute of Electrical and Electronics Engineers **(NIEEE), BUK Chapter**

LEADERSHIP AND VOLUNTEERING EXPERIENCE

Team Lead, NUESA Elite Engineering Fellowship   Jan. 2024
Bayero University, Kano – Kano State, Nigeria

- Guided students on exploring the tech space and developing cost-effective websites.
- Instructed on IDE installation and Python programming.
- Developed simple Python programs for practical learning.

Academic Tutor, Dept. of Electrical Engineering   2019 – 2024
Bayero University, Kano – Kano State, Nigeria

- Coached and mentored prospective undergraduates, recording over 65% average success yearly.
- Prepared academic materials and organized tutorials for colleagues and lower-level students.

AWARDS AND HONORS

- Best Graduating Telecommunications Engineering Student, Department of Electrical Engineering, Faculty of Engineering.
- Award of Excellence by the Nigerian Universities Engineering Students' Association (NUESA).
- Bayero University Scholarship recipient for best performance in Telecommunications Engineering at Levels 300 and 400, Faculty of Engineering.

CONFERENCES/WORKSHOPS ATTENDED

- **BUK Energy Conference:** Emerging Opportunities in Nigeria's Energy Landscape
- **NIEEE Workshop/Technical Session:** Bridging the Gap Between Undergraduates and Engineers
- **Symposium:** Life After Graduation and Career Planning