

Ibrahim Bello

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Education

Alabama A&M University

Expected May 2027

B.S. Computer Science, Minor in Finance — GPA: 3.91/4.0

Normal, AL

Relevant Coursework: Data Structures & Algorithms, Software Engineering, Databases, Operating Systems, Computer Architecture, Advanced Programming (C++), Linear Algebra, Principles of Finance

Honors: 2026 St. Jude KIDS BioHackathon Travel Award; AAMU Presidential Scholarship; Presidential Silver Medallion (2025, 2026); Freshman Presidential Award (2024); 3rd Place, AAMU STEM Day (2026); 2nd Prize, STEM Day Poster (2024); 1st Place, Mathematical Association of Nigeria Olympiad (2021)

Skills & Certifications

Languages: Python, C++, C, SQL, JavaScript, MATLAB, HTML/CSS

Frameworks & Libraries: React.js, Node.js, FastAPI, Vite, Scikit-learn, Pandas

Tools & Platforms: Git, Linux, Docker, Azure, Velociraptor, Kibana, Sysmon, CyberChef

Certifications: Tracer FIRE Cybersecurity Certificate (Sandia National Labs); CodePath Intro to Tech Interview Prep 101; IBM SkillsBuild (Cybersecurity, Artificial Intelligence, Enterprise Design Thinking Practitioner)

Experience

UL Solutions — Wireless Lab Intern, SAR Data Analysis (Returning Intern)

Summers 2025 & 2026

Fremont, CA

- Executed SAR (Specific Absorption Rate) safety investigations on 50+ consumer wireless devices using radiation-detecting robots and RF heat-mapping systems, validating compliance with FCC/IC regulatory requirements
- Built Python automation pipelines for antenna positioning and processing 200+ test logs, reducing testing workflow time by 20% and minimizing manual review errors
- Analyzed and validated calibration and SAR datasets across 100+ client-facing reports, ensuring traceable, standards-compliant results for regulatory submissions and customer certification
- Troubleshoot automated wireless testing systems with full-time test engineers and mentored two new interns on lab procedures, automation workflows and test setup

Alabama A&M University — Lab Research Intern

May 2024 – Aug 2024

Normal, AL

- Automated Bridgman furnace controls with the GCLib API and Galil Design Kit, achieving ± 0.1 mm precision and improving operational efficiency by 25%
- Verified >90% crystal purity using a Cary Eclipse Spectrophotometer and mentored 10+ students on scintillator research projected to reduce U.S. government radiation-detection costs by 10–30%

Projects

PhishGuard — EnigmaSoft SecureCell Hackathon | FastAPI, React.js, Vite, Python, Scikit-learn, Pandas, Figma

- Directed a 3-person team to build and deploy a full-stack phishing-detection browser extension delivering sub-200 ms threat scores, winning 1st place and \$1,500 among 10 teams
- Trained a custom ML classifier on 5,000+ phishing/legitimate email samples, engineering features from sender anomalies, URL structure and text patterns to reach ~92% test accuracy

St. Jude KIDS BioHackathon — Clinical Data Assistant | Python, RAG, SQL, Scikit-learn, MIMIC-III/IV, Docker

Sep 2026

- Built, on a 6-person team over three days, an AI chat interface that lets researchers query clinical data in natural language, implementing Retrieval-Augmented Generation (RAG) and text-to-SQL pipelines
- Benchmarked the text-to-SQL pipeline on MIMIC-III/IV records, answering 25 of 31 questions correctly (~81% accuracy) within 3 seconds, reducing researchers' reliance on data analysts

Tracer FIRE 13 & 14 — Sandia National Labs | Malcolm, Kibana, Azure, Velociraptor, CyberChef, Sysmon

2025 – 2026

- Led a 4-member team through two consecutive simulated APT-style attack investigations, placing 2nd in Tracer FIRE 13 (\$2,500) and 3rd in Tracer FIRE 14 (\$2,000)
- Reviewed 500+ network packets and Azure logs to trace phishing and lateral movement; used Velociraptor and Sysmon to uncover 5+ persistence techniques and decoded 10+ payloads in CyberChef, exposing a C# backdoor

Leadership & Involvement

Alabama A&M University — Student Tutor / Mentor

Apr 2024 – Present

- Tutored 50+ students in Physics, Python, C++ and Math, improving grades by 30%+ through personalized study plans

AAMU Data Science Club — Secretary

Aug 2024

- Coordinated 3+ workshops and guest lectures, boosting engagement 30% across a 30+ member chapter
- Selected Programs:** Spectrum Sizzle wireless & RF workshop, fully funded (NYIT, 2025; NSF, Waco, TX, 2026); Shipt × Black Men in Tech Emerging Talent Summit (2025)
- Organizations:** AAMU Honors Program, ColorStack Fellow, GDSC, ACM, NSBE