Ibrahim Mamman

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Computer Science Honours student at the University of Manitoba (GPA: 3.77), with software development experience across backend and frontend technologies including Java, Python, JavaScript, and Node.js. Completed an internship at Andela/Paystack and currently serve as a teaching assistant for core CS courses. Seeking Software Developer roles starting in Spring/Summer 2026. Eligible for full-time work under Canada's Post-Graduation Work Permit (PGWP).

Skills

Languages: Java, Python, C/C++, HTML, CSS, JavaScript, TypeScript, Kotlin, R, SQL, Dart
Frameworks & Libraries: React, Node.js, Express, Django, Flutter, Jetpack Compose, jQuery, AJAX, Bcrypt, Spring Boot
Tools & Platforms: Git, GitHub, Docker, AWS, Android Studio, Visual Studio, Eclipse, WordPress
Spoken Languages: Fluent in English, Hausa and Basic Arabic

Work Experience

Teaching Assistant – Grader/Marker
University of Manitoba – Winnipeg, MB
Sept 2024 – Present
- Evaluated and graded programming assignments and exams for core CS courses, delivering detailed written feedback to support student improvement.
- Led consultation sessions to clarify concepts, explain project expectations, and support over 30 students per term.

Software Engineering Intern
Andela / Paystack – Nigeria
Aug 2021 – Dec 2022
- Built an internal analytics dashboard (React/Node.js) to visualize engineering performance metrics, increasing team visibility into delivery pipelines.
- Refactored legacy Python modules to improve efficiency by 20% and enhance maintainability.
- Automated unit and integration testing using Jest and Mocha, reducing manual QA time by 30%.

Projects

Galaxy, Full Stack Space Exploration Platform
Developed an immersive web app using real-time APIs (NASA, Pixabay) for live space and Earth data.
- Integrated async API calls to deliver live images and planetary data in <2 seconds refresh time
- Implemented Bcrypt-based auth and session persistence using express-session

HoopShop, Full Stack E-commerce Platform
Built a mobile-first e-commerce platform with secure user authentication, product filtering, and real-time search.
- Reduced page load time by 35% using AJAX and async data fetching
- Implemented debounced product search, advanced filtering, and dynamic carousels
- Developed secure RESTful API endpoints and session handling, enabling 50% more concurrent users

Education

University of Manitoba — Winnipeg, MB
Bachelor of Science (Honours), Computer Science
Expected Graduation: April 2026
GPA: 3.77 / 4.5

Awards: International Undergraduate Student Scholarship, Dean's Honor List (multiple terms)
Relevant Coursework: Data Structures & Algorithms, Software Engineering, Operating Systems, Databases, Computer Networks

Extra Curricular Activities

Web Editor – UMSATS | Aug 2024–Present
Redesigned and maintained the UMSATS website to improve functionality, align with modern web standards, and publish project updates and announcements.

Tech Involvement:

Member of UMSATS (2024–Present), devClub (2024–Present), and CSSA (2023–Present)