

Mainasara Oreoluwa Olulanke

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EDUCATION

Redeemer's University (RUN)

Sep 2023 – Oct 2026

B.Sc. Computer Science · CGPA: 4.79 / 5.00 (*Excellent Standing*)

Relevant Coursework: Artificial Intelligence (A) · Machine Learning with R (A) · Introduction to Machine Learning (A) · Design & Analysis of Algorithms · Automata Theory & Computability (A) · Data Structures & Algorithms (A) · Compiler Construction · Database Systems (A)

TECHNICAL SKILLS

ML / AI: Python, scikit-learn, XGBoost, Random Forest, Logistic Regression, PyTorch

Backend: FastAPI, Node.js, Express.js, REST APIs, PostgreSQL, Supabase, Firebase

Frontend: TypeScript, React, Next.js, Tailwind CSS, Framer Motion, Shadcn UI

Tools: Git, GitHub, Kaggle, Postman, Figma

Concepts: ML pipelines, data preprocessing, AI workflows, system design, software engineering

PROJECTS

SafiPay — Fraud Detection System

Apr 2026

Python · scikit-learn · XGBoost · FastAPI · Next.js · PostgreSQL · Kaggle GPU

- Designed and trained a **3-phase ML pipeline** (Logistic Regression, Random Forest, XGBoost) on the PaySim dataset (6M+ transactions) for real-time fraud detection, achieving strong F1 scores across all phases.
- Built a full-stack deployment: **FastAPI** ML inference server, Express.js auth/routing, Next.js dashboard with SSE streaming for real-time batch upload progress, and PostgreSQL database.

My Butler — AI Fashion & E-Commerce Platform

Jan 2026

Next.js · REST APIs · Supabase · Tailwind CSS · Framer Motion

- Built an AI-powered style advice chat, camera-based outfit capture, real-time auth, blog/event system, and relational database with triggered user data handling.
- Implemented e-commerce flows including product listings, profile customization, and smooth animations for an immersive user experience.

Moova — AI-Powered Trip Planner

Aug 2025

Next.js · Gemini AI · Supabase · Clerk · Tailwind CSS

- Integrated **Gemini AI** to generate personalized travel itineraries based on mood, budget, and timeframe; implemented webhook-driven profile sync and dynamic cost breakdowns.
- Delivered a production-grade, responsive platform with real-time AI responses, seamless booking flows, and curated destination data.

EXPERIENCE

Cave Foundation — Full-Stack Engineer (Contract)

Feb – Mar 2026

- Developed the full web platform for candidate onboarding and information passing.
- Responded to and implemented client requests in record time.

AfriTransfer — Front-End Engineer (Contract)

Oct – Dec 2025

- Built and maintained internal web applications using Next.js, TypeScript, and REST APIs, improving cross-departmental workflow efficiency and data management.
- Resolved UI performance, cross-browser compatibility, and API response issues across production environments.

CWG PLC — IT Engineer & Front-End Developer Intern

May – Oct 2025

- Developed internal tooling interfaces using front-end technologies to enhance staff workflow and data visibility across departments.
- Resolved 10+ IT issues weekly across hardware, software, and network infrastructure; configured and maintained servers, laptops, and network devices.
- Monitored enterprise security systems (Sophos, Unifi), maintaining high uptime and operational reliability.

TechyVibration — Lead Front-End Developer & Instructor

Sep 2024 – Jun 2025

- Led frontend development training for a cohort of junior developers; designed lesson plans, conducted code reviews, and mentored on engineering best practices.

CERTIFICATIONS

AI for Everyone — DeepLearning.AI

Jun 2022

Python for Data Science, AI & Development — IBM

Jun 2022

Google Cloud Fundamentals: Core Infrastructure — Google

Aug 2022

Introduction to DevOps — IBM

Sep 2022