

Promise Raji

AI / ML Engineer · Unity Game Developer · Blockchain Contributor

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WORK EXPERIENCE

Software Development Intern

CapriQuota Technologies · Ogun State, Nigeria · Feb 2022

- Contributed to internal tooling and software development tasks under senior engineer mentorship.
- Gained hands-on exposure to professional development workflows within a technology startup.

Software Development Intern

First Pavilion Technologies · Ogun State, Nigeria · Apr 2022

- Assisted in building and testing software features within a collaborative engineering team.
- Broadened practical knowledge across multiple platforms and programming languages.

PROJECTS & REPOSITORIES

AI / ML

UKFoodSaver Recommendations API — Python · FastAPI · Collaborative Filtering · Render

<https://github.com/p3ris0n/ukfoodsaver-rec>

- Built a deployed FastAPI recommendation system serving personalised food suggestions using collaborative filtering and popularity-based algorithms.
- Implemented cold-start handling (falls back to popularity scoring for new users), search by cuisine type, and real-time health monitoring endpoints.
- Scoring system weights interaction frequency (70%) and average rating (30%); deployed live on Render.

Outlier Detection with Geospatial Analysis — Python · Scikit-learn · Matplotlib · Pandas · Folium

<https://github.com/p3ris0n/Outlier-Detection-with-Geospatial-Analysis->

- Applied spatial-neighbour analysis to Kogi State (Nigeria) election data to compute per-party outlier scores across all polling units.
- Identified polling units where results deviated significantly from neighbours, flagging potential irregularities.
- Produced interactive HTML maps and structured Excel/CSV outputs. Findings published as a research report (see Publications).

Game Development

Cube-a-thon — Unity3D · C# · Windows

<https://github.com/p3ris0n/Cube-a-thon>

- Developed a 3D endless runner game in Unity, including game logic, obstacle generation, and packaged installer for Windows (x86).
- Shipped with a custom install/uninstall batch script — no administrator permissions required.

Full-Stack / Web

Admin Dashboard — PHP · CSS · JavaScript · SQL · CPT222

<https://github.com/p3ris0n/admin-dashboard>

- Built a full-stack CRUD admin dashboard for a university course (CPT222), featuring add, edit, and delete operations backed by a MySQL schema.

Flight Booking Web App — HTML · CSS · JavaScript

<https://github.com/p3ris0n/flight-site>

- Simple responsive web app for browsing and booking flight trips.

Portfolio & Frontend

Personal Portfolio (Next.js) — TypeScript · Next.js · Tailwind CSS

<https://github.com/p3ris0n/my-portfolio>

- Developer portfolio built with Next.js 14, TypeScript, and Tailwind CSS; deployed via Vercel.

Developer Portfolio (HTML) — HTML · CSS · JavaScript

<https://github.com/p3ris0n/dev-portfolio>

- Hand-crafted portfolio site demonstrating front-end fundamentals without a framework.

Computer Science

Data Structures & Algorithms — Python · Jupyter Notebook

<https://github.com/p3ris0n/DSA>

- Interactive Jupyter notebooks implementing and benchmarking classical data structures and algorithms in Python.

OPEN SOURCE CONTRIBUTIONS

bc-forge — BCPATHWAY Organisation · drips.network

<https://github.com/BCPATHWAY/bc-forge>

- Contributed to bc-forge, a modular Soroban smart contract platform for SEP-41 compliant token minting on the Stellar blockchain (3 stars, 6 forks, 9 open PRs).
- Codebase spans Rust smart contracts (admin, lifecycle, and token modules) and a TypeScript SDK for seamless client integration.
- Features include admin-controlled minting, pausable lifecycle, ownership transfer, and full supply tracking — maintained as an open-source project via drips.network funding.

EDUCATION

B.Tech (in progress)

Federal University of Technology, Minna (FUTMINNA) · Niger State, Nigeria · Expected 2029

Senior Secondary Certificate — WAEC

Achievers International College · Ogaminana, Kogi State, Nigeria

PUBLICATIONS

Geospatial Analysis and Outlier Detection in Polling Units

Research Report · Self-published · 2024

- Detailed report applying spatial statistical methods to Nigerian electoral data to detect polling unit anomalies across party lines.

[View full report on Notion →](#)

SKILLS

Languages	Python · C# · Rust · TypeScript · JavaScript · PHP
ML / Data	Scikit-learn · Matplotlib · Pandas · NumPy · Jupyter Notebook
Web & API	FastAPI · Next.js · HTML · CSS · Tailwind CSS · Node.js
Game Dev	Unity3D · Blender · C#
Blockchain	Stellar · Soroban Smart Contracts
Tools	Git · GitHub · PyCharm · VSCode · Visual Studio 2022 · Jupyter