Daniel Oyasodun

Newark, New Jersey

973-474-0055 | do38@njit.edu | linkedin.com/in/danieloyasodun | github.com/danieloyasodun | danieloyasodun.com

EDUCATION

New Jersey Institute of Technology   Newark, NJ
Bachelor of Science in Computer Science   *Sep. 2022 – Expected Aug. 2025*

TECHNICAL SKILLS

Languages: Java, Python, C / C++, C#, Kotlin, JavaScript, Bash, HTML, XML, R, TypeScript
Frameworks & Tools: Django, React, Next.js, Git, Docker, AWS
Databases: PostgreSQL, MongoDB, DuckDB
Libraries & Data Tools: Pandas, NumPy, Matplotlib, Seaborn, Plotly, Tableau
Platforms & OS: Windows, Linux, Unix, Android

EXPERIENCE

Computer Science Tutor   June 2023 - Aug. 2023
New Jersey Institute of Technology   *Newark, NJ*

- Led Java & Python workshops for 35+ students, boosting assessment scores by 20% through personalized study plans and coding exercises.
- Developed tailored study plans and interactive coding exercises, strengthening students' confidence and problem-solving skills.

PROJECTS

ShotSense — ML-Based Football Analytics App | Repository | Website | Ongoing   May 2025 – Present
Next.js, D3.js, FastAPI, Python, AWS Lambda, Machine Learning, xG Model, Data Visualization

- Built an interactive web app for simulating football shots and viewing expected goals (xG) values via a custom ML model trained with scikit-learn and XGBoost.
- Built a responsive frontend with Next.js and D3.js (Konva.js for interactive pitch) and engineered the backend with FastAPI and AWS Lambda for real-time xG predictions.
- Deployed app on AWS Lambda and Vercel; enhanced model training with historical football match data.

AI Resume Builder — Job-Aware Resume Platform | Repository | Website   Feb. 2025 – May 2025
Django, React, Supabase, Auth0, Heroku, Vercel

- Developed a full-stack web app for AI-powered resume generation, including editing, formatting, and storage features.
- Designed RESTful APIs to manage resume sections and generate PDF/Markdown/HTML output.
- Secured authentication via Auth0 and deployed backend (Heroku) and frontend (Vercel) services.

Sports Data Visualization — Data Analytics for Sports Insights | Repository | Ongoing   Feb. 2025 – Present
R, Python, Tableau, Data Visualization

- Built a series of data visualizations in R and Python to explore sports analytics across NBA, EPL, and more.
- Created shot charts, heatmaps, and performance graphics to uncover actionable insights.
- Focused on developing skills in data storytelling and communicating sports performance metrics effectively.

LinkUp — Full-Stack Social App | Repository | Website   Dec. 2024 – Jan. 2025
TypeScript, Next.js, Tailwind, PostgreSQL (Neon), Clerk Auth, Vercel

- Developed a full-stack social media app with real-time posts, media uploads, and secure auth via Clerk.
- Implemented SSR, lazy loading, and Uploadthing for fast, seamless media delivery and performance.
- Integrated PostgreSQL (Neon), Clerk for auth, and Uploadthing for seamless media handling.

NBA Snapshot — Android NBA Score Tracker | Repository | Demo   Nov. – Dec. 2024
Kotlin, XML, Room, Coroutines

- Designed a Kotlin-based Android app for real-time NBA scores using ESPN's API, with offline caching via Room DB.
- Leveraged Kotlin coroutines for smooth background tasks and responsive UI.
- Optimized data flow for minimal API calls and improved user experience.

Simple Pascal-Like Compiler — Custom Language Interpreter   Nov. 2023 – Dec. 2023
C++

- Built a compiler with a lexer, recursive-descent parser, and interpreter for a Pascal-like language, applying compiler theory for tokenizing, parsing, and executing code.