Daniel Oyasodun

Newark, NJ

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EDUCATION

New Jersey Institute of Technology — Newark, NJ
Bachelor of Science in Computer Science — *Graduated Aug. 2025*
Relevant Coursework: Data Structures & Algorithms, Database Systems, Operating Systems, Software Engineering

TECHNICAL SKILLS

Languages: Python, SQL, Java, R, C/C++, TypeScript, JavaScript
Data & ML: ETL Pipelines, Data Modeling, Pandas, NumPy, scikit-learn, PyTorch
Frameworks: FastAPI, Django, React, Next.js
Cloud & Tools: AWS, GCP, Docker, Redis, PostgreSQL, MariaDB, Git
Visualization: Tableau, Power BI, Matplotlib, Seaborn, Plotly

EXPERIENCE

B The Cause — June 2025 - Aug. 2025
Backend Software Engineer Intern — *Remote, US*

- Collaborated with a cross-functional team to build and deploy a Dockerized REST API backend for an AI platform analyzing student development gaps, reducing query time by 35%.
- Enhanced MariaDB schema and implemented automated tests with 80% code coverage, improving reliability and cutting sprint delivery time by two weeks.
- Delivered weekly stakeholder presentations translating technical progress into actionable product insights.

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

- Taught coding workshops for 50+ students, creating reusable templates and guides to improve lab completion time and assignment scores.

PROJECTS

Fantasy Football GM Assistant — Data Pipeline + Full-Stack App | Repository | Website
Next.js, TypeScript, Python, FastAPI, Redis, LLM

- Developed ETL pipeline to fetch, validate, and transform ESPN Fantasy API data powering dashboards and an AI chatbot for player insights.
- Optimized API performance by 40% through Redis caching and query tuning to handle high concurrency.
- Deployed and maintained the live application, iterating on user feedback to increase response consistency by 30%.

Sports Data Analytics Repository | Repository
Python, R, scikit-learn, Tableau, GitHub Actions

- Automated multi-season data ingestion and processing using GitHub Actions, managing 1,000+ player records weekly for analytics dashboards.
- Designed and trained predictive regression model ($R^2 = 91\%$) for NBA team win forecasting and developed K-means clustering models to segment 500+ players by their performance profiles.
- Produced 15+ visualizations to communicate insights on efficiency, defense, and positional trends across leagues.

NBA Snapshot — Real-Time Android Score Tracker | Repository | Demo
Kotlin, XML, Room Database, Coroutines, REST API

- Built and published a real-time Android score tracking app integrating REST APIs and local Room database caching for offline access.
- Optimized API request handling and UI rendering, achieving sub-second score updates under simulated load of 100+ concurrent users.
- Implemented MVVM architecture with LiveData, reducing UI update latency by 30% and improving maintainability across 12 app screens.

Explore additional projects at danieloyasodun.com