

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

Jan. 2024 - May 2024

Undergraduate Research Assistant

Newark, NJ

- Analyzed 500+ athlete injury records using Python (Pandas, NumPy, Matplotlib) to identify correlations between load and lower extremity injuries, co-authoring research paper on data-driven injury prevention strategies.
- Automated data cleaning pipelines to process multi-season athlete datasets, reducing processing time by 40% and visualizing 3 key injury patterns that informed rehabilitation protocol recommendations.

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