Daniel Oyasodun

Newark, NJ

do38@njit.edu | (973) 474-0055 | LinkedIn | GitHub | Portfolio

EDUCATION

New Jersey Institute of Technology — Newark, NJ
Bachelor of Science in Computer Science — *Sept. 2022 - Aug. 2025*
Relevant Coursework: Data Structures & Algorithms, Database Systems, Operating Systems, Software Engineering

TECHNICAL SKILLS

Languages: Python, TypeScript, JavaScript, Java, C/C++, SQL, R
Frameworks & Libraries: React, Next.js, FastAPI, Django, Spring Boot, PyTorch, scikit-learn
Data & Tools: Pandas, NumPy, Tableau, Power BI, Matplotlib
Infrastructure: AWS, GCP, Docker, PostgreSQL, MariaDB, Redis, Git

EXPERIENCE

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

- Collaborated with 3-person 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 engineered test suite covering 80% of the codebase, improving reliability and cutting sprint delivery time by two weeks.
- Facilitated weekly presentations to 8+ stakeholders including product managers and liaisons, translating technical progress into actionable insights.

New Jersey Institute of Technology — Jan. 2024 - May 2024
Undergraduate Research Assistant — *Newark, NJ*

- Led analysis of 500+ athlete injury records using Python to identify load-injury correlations, contributing to research paper on injury prevention strategies.
- Engineered 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*

- Mentored 50+ students in Python and Java fundamentals through weekly 1-on-1 sessions and group workshops, improving average lab completion rates by 25%.

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 ingestion and processing of 1,000+ player records weekly using Python scripts and GitHub Actions for real-time 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 real-time Android score tracking app integrating REST APIs and local Room database caching for offline access.
- Implemented background coroutines for non-blocking API calls and optimized RecyclerView rendering, ensuring smooth scrolling performance with 30+ simultaneous game updates.
- Implemented MVVM architecture with LiveData, reducing UI update latency by 30% and improving maintainability across 12 app screens.

Explore additional projects at danieloyasodun.com