

OLAMIDE IYELOLU

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EDUCATION

Depaul University

Master of Science in Computer Science, GPA: 3.90

Chicago, IL

December 2027

Oral Roberts University

Bachelor of Science in Computer Science, GPA: 3.82

Tulsa, OK

May 2025

Relevant Coursework: Database Systems, Distributed Systems, Software Engineering, Artificial Intelligence, Probability & Statistics, Data Structures & Algorithms, Object Oriented Programming

Organizations & Awards: ACM Club Secretary, Quest Leader Scholarship, National Society of Black Engineers, ColorStack, Codepath

TECHNICAL SKILLS

Languages: Python, JavaScript, C++, Scala, R, SQL, HTML, CSS, Java

Tools/ Frameworks: Git, Next.js, React, Node.js, Linux, Docker, MCPs, Pandas, Supabase, Convex

Databases & Cloud: PostgreSQL, MySQL, Databricks, AWS (S3, EMR Serverless), GCP, Snowflake

PROJECTS

AI Inventory Tracker – github.com/olamideiyelolu/AI-Inventory-Tracker

February 2026

- Built an AI-powered inventory management web application that tracks product quantities through daily snapshot logging to capture historical inventory changes over time.
- Developed interactive visualizations that enable users to monitor product volatility, trends, and stock fluctuations across daily snapshots.
- Integrated Google's Gemini AI to allow users to add, update, and manage inventory items through natural language commands while preserving full manual control through an intuitive UI.

Citi-Bike ELT Pipeline – github.com/olamideiyelolu/Citi-Bike-ELT

January 2026

- Engineered a scalable ELT pipeline processing **35M+** records, managing the full data lifecycle from **AWS S3** ingestion to analytics-ready **Snowflake** models for **Tableau** dashboards.
- Implemented data governance with **dbt** tests and improved data usability by modeling data into a dimensional star schema using **SQL**, reducing the analytics-layer storage by **26%**.
- Orchestrated modular data workflows in Apache **Airflow**, defining task dependencies to ensure reliable and repeatable pipeline execution

Finals Scheduler – github.com/olamideiyelolu/Finals-Scheduler

September 2025

- Built a web application that helped students track their finals schedule by allowing them to view exam time windows and add exams to their calendar, using **Node.js**, **React**, and **Google Cloud** for data storage.
- Integrated Google's **Gemini AI** to analyze syllabus data and create personalized exam study plans, enhancing user experience and preparation.

WORK EXPERIENCE

Computer Science Researcher – Oral Roberts University ~ Drone lab

September 2024 – December 2024

- Curated and cleaned dataset in **Excel** to benchmark AI-powered drone platforms against enterprise requirements, ensuring consistent metrics for accurate comparison.
- Analyzed efficiency and cost-performance trade-offs across **20+** suppliers to support final technology selection, informing stakeholder decisions with quantitative evidence.

Technical Support Specialist – Oral Roberts University

August 2022 – May 2023

- Resolved **100+** technical issues including software installations, troubleshooting, and workspace setups, reducing system downtime for students and faculty.
- Supported **50+** users via email, phone, and in-person communication, reducing recurring issues through clear documentation and focused user training.
- Increased IT service engagement by **20%** through testing and supporting the deployment of a technology resource website, improving software adoption and accessibility.