Tomiwa Jinadu

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EDUCATION

University of West Georgia Carrollton, GA
Bachelor of Science in Computing *May 2025*
- Honors: Dean's List (2025), Dean's List (2023)
- Relevant Courses: Systems Programming, Application Development, DevOps, Advanced Database Systems, Web Development, Professional Ethics, Data Analytics, Data Structures and Algorithms
- Leadership: Vice President & Event Coordinator, African Student Union

CERTIFICATES

Oracle Cloud Infrastructure (OCI) 2025 Certified Foundations Associate
AWS Certified Cloud Practitioner

TECHNICAL SKILLS

Languages: Python, Java, JavaScript/TypeScript, SQL, C/C++, Rust, HTML/CSS, Dart
Frameworks: React, Node.js, Flutter, Next.js, Spring Boot, FastAPI, Flask, scikit-learn, transformers, JavaFX, JUnit
Tools: Git, Firebase, MongoDB, PostgreSQL, AWS EC2, Google Cloud Platform, OCI, Docker, Maven, GitHub Actions, Jira, pandas, NumPy
AI/LLM: OpenAI API, Hugging Face, sentence-transformers, large language model integration, prompt engineering

WORK EXPERIENCE

Software Engineer Intern Jan. 2025 – May 2025
Bemelo *Remote*
- Developed a cross-platform mental health app MVP using Flutter, Firebase, WebRTC, and OpenAI API.
- Adapted onboarding dataset and integrated a user-preference matching algorithm to pair users with therapists and support groups.
- Implemented a gamified rewards system to boost user engagement, retention, and motivation.
- Built a CI/CD pipeline with GitHub Actions, automating testing, code quality checks, and deployments, reducing release cycle time by 60%.
- Implemented security measures following HIPAA best practices including end-to-end encryption (TLS 1.3), OAuth 2.0, multi-factor authentication, and secure PHI handling using Firebase Auth.

PROJECTS

CareerSync | *Next.js, TypeScript, PostgreSQL, Python, NLP, Gmail API* | Live Jul. 2025 – Present
- Built open-source job tracker solving the problem of manually tracking job applications by auto-parsing emails with AI
- Deployed custom fine-tuned SetFit classifier and T5 extractor models on Hugging Face achieving 95% accuracy in extracting company, role, and status from job emails
- Developed a scalable email processing system with batch fetching, retry logic, and streaming updates handling 6,000+ emails per user at 2s average latency
- Designed analytics dashboard with Recharts visualizations providing data-driven insights on application rate, interview rates, and conversion metrics

Distributed Sales Analytics System | *Rust, Multi-threading, TCP/IP, Base64, Log4rs* Oct. 2024 – Dec. 2024
- Led a team of 3 to build multi-threaded Rust sales processing system handling 40 branches concurrently with thread-safe data aggregation using Arc/Mutex primitives.
- Built a client-server TCP communication pipeline with Base64 encoding/decoding for secure branch data transmission and automated file processing workflows.
- Implemented comprehensive logging infrastructure and unit testing suite across all components, ensuring system reliability and performance monitoring.

California Housing Price Predictor | *Python, XGBoost, Flask, Scikit-Learn, Pandas* Sep. 2024 – Nov. 2024
- Built a machine learning model using XGBoost and scikit-learn achieving 82% R^2 in predicting California housing prices from 19K+ records through extensive feature engineering and data preprocessing.
- Deployed Flask web application with REST API enabling real-time price predictions integrating StandardScaler for input normalization and model persistence using pickle serialization.