

# Adetayo Kalejaiye

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## EDUCATION

### Grambling State University

Jan. 2024 – Dec. 2027

*Bachelor of Science in Computer Science; GPA: 3.9/4.0*

*Grambling, LA*

- **Coursework:** Data Structures & Algorithms, Machine Learning, Deep Learning, Artificial Intelligence, Software Engineering
- **Awards:** Founders University (10% rate, \$25k-\$125k), Mae Jemison Award (180+ countries), Valedictorian

## TECHNICAL SKILLS

**Languages:** Python, Go, JavaScript, C++, SQL, HTML/CSS

**Frameworks & Tools:** Django, Flask, Flutter, PostgreSQL, Git, RESTful APIs, CI/CD

**AI/ML:** NLP, LLM Fine-tuning, Computer Vision, Sentiment Analysis, scikit-learn, TensorFlow

**Other:** AR/VR (Lens Studio), 3D Modeling, Mobile Development, Real-time Systems

## PROFESSIONAL EXPERIENCE

### Founding Engineer & CEO

Sep. 2025 – Present

*Drift (Startup) — web.driftnet.live*

*Grambling, LA*

- Architected AI-powered proximity messaging platform using Python, Go, Flutter, and PostgreSQL, scaling to 150+ active users across 100+ countries within first week of launch
- Ranked top 10% of Y Combinator applicants and accepted into Founders University accelerator (10% acceptance rate, \$25k-\$125k funding); assembled cross-functional team including MIT COO and former Microsoft CTO
- Built ML-powered recommendation engine using NLP and tree-based algorithms to connect international students, reducing cultural adjustment time by 40%

### AR/VR Design Extern

May 2024 – Aug. 2024

*Snap Inc. (\$15B+ Market Cap) — Lens Studio*

*Remote*

- Created 20+ augmented reality experiences using Snap's Lens Studio, JavaScript, and 3D modeling for platform with 400M+ daily active users
- Implemented computer vision algorithms and object-oriented programming patterns for real-time face tracking and environmental mapping

### Team Lead & Lead Software Engineer

Jun. 2025 – Present

*Carnegie Young Leaders Initiative — \$500M+ Endowment*

*Princeton, NJ*

- Built and deployed SMS-based fact-checking chatbot using Python, Flask, and custom NLP pipeline trained on 50,000+ verified political posts, achieving 35% improvement in voter information accuracy
- Designed backend data structures (hash tables, B-trees, graphs) for sub-100ms fact retrieval; integrated CI/CD pipeline with automated testing

### Lead Software Engineer & Technical Educator

Mar. 2023 – Oct. 2023

*FIRST Global Challenge — International Robotics Competition*

*Lagos, Nigeria*

- Engineered Django-based collaboration platform serving teams from 120+ countries with PostgreSQL database and RESTful API architecture
- Taught object-oriented programming, robotics, and algorithm design to 100+ students; led team implementing PID control algorithms and autonomous navigation in C++

## PROJECTS

### Alan AI Trading Assistant | *Python, GPT-4/Claude API, Financial APIs, Real-time Analysis*

- Developed AI-powered trading assistant providing market analysis and personalized trade recommendations, acquiring 100+ users within 24 hours of launch
- Integrated real-time financial data streams and implemented natural language interface for conversational trading queries and portfolio analysis

### Afroheads Black Haircare AI | *Mistral LLM, Computer Vision, Sentiment Analysis*

- Built culturally-informed AI haircare advisor using fine-tuned Mistral LLM with specialized knowledge of Black hair textures and styling techniques
- Implemented real-time emotion sentiment analysis pipeline to dynamically adjust avatar poses based on conversation tone and user engagement signals

### TigerService Community Platform | *Django, JavaScript, PostgreSQL, REST API*

- Built full-stack web application enabling university students to discover, organize, and track community service opportunities with user authentication and database management

## LEADERSHIP & AWARDS

**Microsoft Emerging Leaders** (1 of 1,400 students, Jul. 2025 - Present) | **Carnegie Young Leaders Initiative** (1 of 500 from 3,000+, Jun. 2025 - Present) | **Awards:** 1st Place Edupoint Robocode Fest (National) | Award of Excellence Brilliant Blue Challenge | Evercore HBCU Program (Top 500)