

# OUSMAN BAH

📞 218-213-7996 ✉️ obah002@fiu.edu 🔗 ousman-bah 🌐 ousmanbah10 📁 Portfolio: Ousman Bah

## Education

**Florida International University GPA 4.0**

**Aug 2023 – May 2027**

*Bachelor of Science in Computer Science, Minor Business*

*Miami, FL*

**Google Tech Exchange Program**

**Jan 2025 – May 2025**

*Tech Fellow*

*Remote*

Google-led program on software engineering and AI, covering generative AI, algorithms, system design, and cloud scalability.

## Technical Skills

**Languages:** Python, JavaScript, HTML/CSS, Java, C, SQL, Dart, Shell, JSON

**Developer Tools:** Eclipse, Google Cloud Platform, Docker, Git, GitHub, Postman, Android Studio, Xcode, VS Code, Auth0

**Technologies / Frameworks:** MEAN Stack (MongoDB, Express.js, Node.js), Django, React, Streamlit, Flutter, FastAPI, PyTorch, Numpy, TensorFlow, LangChain, OpenAI API, scikit-learn, Pandas, Qdrant

## Experience

**Break Through Tech AI Fellow – Cornell Tech Break Through Tech Miami**

**May 2025 - Present**

*AI Fellow*

*Miami, FL*

- Selected from over 1,000 applicants for a competitive summer-long AI fellowship led by **Cornell Tech** in partnership with Break Through Tech.
- Completed 100+ hours of training in supervised learning, responsible AI, and ML pipelines using Python and scikit-learn; applied techniques to real-world datasets with mentorship from **Cornell** faculty and industry engineers.

**Software Engineering Sprintern – FIU PantherSoft**

**May 2025 – June 2025**

*Sprintern*

*Miami, FL*

- Developed a parking recommendation app using Flutter and GeoLocator to suggest garages based on class schedules.
- Built a location-based scoring system to optimize routing; improved navigation efficiency by 35%.
- Designed for use by FIU's 50,000+ students; piloted by 20+ students during testing phase.

## Projects

**Severus AI – AI Interview Prep Platform** | *Python, FastAPI, LangChain, OpenAI, Google Cloud*

**July 2025**

- Engineered a full-stack AI interview platform, hosting 50+ mock sessions with real-time adaptive feedback and dynamic coding questions for FIU students.
- Architected structured agent flows via LangChain to simulate interviewers, deliver context-aware hints, and maintain 95% accuracy in multi-turn logic.
- Deployed on Google Cloud with 200ms response time and 99.9% uptime, ensuring fast, reliable sessions across devices.

**Fitness Challenge Tracker App** | *Streamlit, Python, Auth0, Google BigQuery*

**April 2025**

- Developed a fitness tracking web app where users join challenges, log progress, and view real-time leaderboards; integrated Auth0 for secure login and personalized dashboards.
- Tested by 10+ users during closed trials to validate challenge flow, progress tracking, and leaderboard accuracy.
- Designed a basic social feed for posting milestone photos and updates; generated personalized fitness insights using logged activity data.

**Eat Bites – Food Delivery Platform** | *Flutter, Claude API, Google Maps API, PostgreSQL* **Sept 2024 – January 2025**

- Co-developed a DoorDash-style food delivery app with my brother using Flutter, PostgreSQL, and Google Maps API; supports customer, restaurant, and driver workflows with real-time tracking.
- Launching in The Gambia with 50+ local restaurants to improve food access and support small businesses.

## Leadership & Extracurricular Activities

**Volunteer:** FIFA Club World Cup (Event Support), Break Through Tech (Freshman Welcome Leader), UKG High School Programming Contest (Organizer & Mentor)

**FIU Competitive Programming Team:** Two-time ICPC USA Regional competitor and weekly mentor for students in algorithms and data structures to prepare for competition

**INIT FIU:** Engaged in student-led workshops on innovation, product design, entrepreneurship, and campus hackathons