

# OUSMAN BAH

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## Education

**Florida International University** | GPA: 3.95 | Dean's List (5x)

Aug 2023 – May 2027

*Bachelor of Science in Computer Science, Minor in Business*

**Google Tech Exchange Program**

Jan 2025 – May 2025

*Tech Fellow - Software Engineering & Generative AI*

## Technical Skills

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

**Frameworks:** React, Next.js, Node.js, Express, Flutter, FastAPI, Django, LangChain, PyTorch, TensorFlow

**Tools & Cloud:** Git, AWS (EC2, S3, RDS), GCP (BigQuery, Cloud Run), MongoDB, PostgreSQL, Docker

**Coursework:** Data Structures, AI, Database Management, Computer Architecture, Quantum Computing, Systems Programming

## Experience

**Software Engineer Intern – Elerus AI**

June 2025 – Aug 2025

*AI-Powered Coding Platform*

Remote

- Engineered AI features using Python and React that improved developer productivity by streamlining workflows for 500+ users.
- Implemented 15+ RESTful APIs and integrated third-party AI services by collaborating with team, reducing code review time by 40%.

**Software Engineering Sprintern – FIU PantherSoft**

May 2025 – June 2025

*Mobile App Development*

Miami, FL

- Developed Flutter app with location-based parking recommendations that improved navigation efficiency by 35% for 50,000+ students.
- Built scoring algorithm using Node.js by analyzing proximity and schedule data, reducing campus traffic congestion by 27%.

**AI Fellow – Accenture AI Studio, Break Through Tech Cornell**

May 2025 – Present

*Trust & Safety Project*

Remote

- Selected from 1,000+ applicants and completed 100+ hours ML training by working with Cornell faculty on model evaluation.
- Built fake news classifier achieving 85%+ accuracy using NLP and Hugging Face by training on 10,000+ labeled articles.

## Projects

**Severus AI** | *FastAPI, React, LangChain, OpenAI, GCP*

May 2025 – July 2025

- Built full-stack AI interview platform serving 50+ mock interviews by implementing FastAPI and React, achieving 200ms response latency.
- Engineered LangChain flows with GPT-4 achieving 95% accuracy by designing structured prompts, deployed on GCP with 99.9% uptime.

**NeuroScan** | *PyTorch, MONAI, FastAPI, Grad-CAM*

Sept 2025 – Dec 2025

- Developed 3D tumor detection achieving 83.7% recall by implementing 3D ResNet-18 with PyTorch, minimizing false negatives.
- Deployed web app with FastAPI enabling real-time MRI inference by integrating Grad-CAM visualizations, processing scans in 3 seconds.

**PantherKolab** | *Next.js, AWS, WebSockets, OpenAI*

Sept 2025 – Dec 2025

- Engineered collaboration platform supporting 100+ users by implementing WebSockets and AWS, achieving sub-second delivery.
- Built AI summarization and event planning using OpenAI by integrating calendars and whiteboards, increasing productivity by 30%.

**Smart Parking** | *Flutter, Dart, LLaMA 4.0, n8n*

May 2025 – July 2025

- Built mobile app with AI recommendations using LLaMA 4.0 that optimized parking by analyzing schedule and availability.
- Designed RESTful APIs with n8n automation reducing API calls by 40% through caching, improving responsiveness by 2x.

## Leadership & Extracurricular Activities

- STARS FIU - CS Peer Tutor:** Tutor students in Programming 1 & 2, Python, Data Structures & Algorithms, and Database Management to strengthen programming skills.
- FIU Competitive Programming Team:** ICPC USA Regional Competitor (3x), Weekly Lecturer on algorithms
- Volunteer:** FIFA Club World Cup (Event Support), Break Through Tech Miami (Freshman Welcome Leader)
- INIT FIU:** Attended workshops on Innovation, Product Design, and participated in Hackathons