

# OUSMAN BAH

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## Education

**Florida International University GPA 4.0**

**Aug. 2023 – May 2027**

*Bachelor of Science in Computer Science*

*Miami, FL*

## Relevant Coursework

- Data Structures
- Database Management
- Systems Programming
- Discrete Math
- Algorithms Analysis
- Artificial Intelligence
- Web development
- Calculus I

## Experience

### Google Tech Exchange Program

**January 2025 - Present**

*Tech Fellow*

*Remote*

- Selected for a competitive program designed to develop advanced technical and career skills through coursework taught by Google engineers.
- Currently enrolled in courses covering Software Engineering with Generative AI, Algorithms System Design, and Careers in Tech, focusing on AI-driven development, data structures, scalable architecture, and industry trends.
- Building projects using Google Cloud and GitHub Streamline while collaborating with peers and receiving mentorship from Google engineers on best practices in software development.

### FIU Competitive Programming Team

**August 2023 – August Present**

*Team Member & Mentor*

*Miami Florida*

- Represent FIU in national and international coding competitions, tackling algorithmic challenges under time constraints and participated in ShellHacks hackathons applying problem-solving skills to real-world technical challenges.
- Teach weekly club meetings on campus, covering data structures, algorithms, and problem-solving techniques to prepare students for competitive programming competitions.

### Ministry of Finance and Economic Affairs — The Gambia

**January 2020 – August 2023**

*Accounts Clerk*

*Banjul, The Gambia*

- Processed every payments on behalf of government, ensuring timely disbursement that impacted thousands at age 19.
- Collaborated with high-ranking officials, including Central Bank executives, ministers, and policymakers in decisions

## Projects

### Audio, Text and Analysis AI-Powered App | *Django, Python, OpenAI API, HTML, CSS, JavaScript* **October 2024**

- Built a Django-based web application integrating OpenAI's GPT-4 and Whisper models for AI-powered text chat, podcast generation, and audio transcription.
- Developed a secure user login system with database integration, ensuring seamless authentication and data protection.
- Implemented AI-driven features, including lecture notes summarization and automatic practice question generation, enhancing learning efficiency.

### E-Commerce API | *Node.js, Express, MongoDB, JWT Authentication, Postman API*

**January 2025**

- Developed a scalable E-Commerce API with authentication, product management, order processing, and review functionality.
- Implemented JWT-based authentication and role-based access control, securing user registration, login, and admin operations.
- Optimized API performance and database queries, reducing response times and ensuring efficient CRUD operations.

### Task Manager | *Node.js, Express, MongoDB, JavaScript, HTML, CSS*

**December 2024**

- Created a full-stack task management system allowing users to create, update, delete, and track tasks.
- Developed RESTful API endpoints with middleware error handling and a structured backend for security and efficiency.
- Designed a user-friendly front-end interface, integrating smooth interactions using JavaScript, HTML, and CSS.

## Technical Skills

**Languages:** Python, Java, JavaScript, SQL, HTML/CSS **Dev Tools:** VS Code, Eclipse, Google Cloud Platform, Docker  
**Technologies/Frameworks:** MEAN Stack (MongoDB, Express.js, Angular, Node.js), Django, Streamline, GitHub, Linux

## Leadership / Extracurricular

**Dell EXCEL Program** – 8-week case competition on AI and modernization.

**UKG Academy for CS & Education** – Member; Volunteer and participated in hosting high school programming competitions.

**Break Through Tech Miami** – Member; engaged in initiatives supporting student and underrepresented groups in tech.

**INIT FIU** – Member; attended workshops on technology and innovation.