



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.