

# IFEOLUWA ADEBIYI

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## EDUCATION

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### Texas A&M University

*B.S. Electrical Engineering & Minor in Computer Science*

## WORK EXPERIENCE

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### Citibank

July 2025 – Present

*Counterparty Risk Software Developer*

*Manhattan, NY*

- Designed and implemented deployment pipeline separation across multiple asset classes using Python, transitioning from a monolithic deployment process to modular, asset-specific pipelines that improved deployment efficiency and reduced cross-asset deployment risks
- Collaborated with distributed systems architect to design and develop an authentication system with SQLite3 database in Python, implementing secure user whitelisting functionality that enhanced system security and access control
- Developed and maintained infrastructure for Quant Developers, ensuring high availability and performance
- Served as release master, overseeing releases, library upgrades, and code changes into production environment
- Maintained clean, production-grade Python code following best practices for version control, code review, and testing in a fast-paced team environment
- Contributed to *CI/CD* pipeline improvements by refactoring deployment workflows, demonstrating strong problem-solving and analytical skills in optimizing system architecture

### Citibank

July 2022 – June 2025

*Software Engineer*

*Irving, TX*

- Integrated Policy-as-Code into the Ansible playbook promotion pipeline, aligning with SDLC
- Resolved 38.16% of critical errors across 152 repositories as a PoC, enhanced system reliability, and convinced my team to adopt OPA
- Provided technical support to clients on Ansible migration issues, managing and resolving tickets through JIRA
- Debugged and fixed Python script issues driving Ansible-lint during the migration of 915 repositories, collaborating in code reviews to ensure adherence to application design specifications

### GE Aerospace

June 2021 – August 2021

*System Engineering Intern*

*Grand Rapids, MI*

- Automated test verification process using Bash scripts, saving engineering hours and increasing efficiency. Completed verification of 107 test scripts, exceeding expectations by 30%

### CenterPoint Energy

January 2021 – June 2021

*System Engineering Intern*

*Houston, TX*

- Built custom GUI with PyQt, streamlining load simulations and improving user interaction

## PROJECTS

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### Crawler - RAG Agent | Langchain, Python, Ollama

May 2025

- Developed a Retrieval-Augmented Generation (RAG) agent that crawls site data using LangChain's SitemapLoader.
- Generated high-dimensional embeddings using Ollama and stored structured data in a Chroma vector database
- Implemented an open-source Large Language Model interface using OllamaLLM for intelligent data retrieval

### Cyber Fast Track (Security Analyst) | Wireshark, SQL, Python

April 2024

- Solved real-world cybersecurity challenges that involve IAM practices, SQL injection, and cross-site scripting (XSS).
- Utilized pwndbg, gdb, and networking protocols to perform deep-packet analysis and vulnerability assessments
- Certification: GIAC Foundational Cybersecurity Technologies (GFACT)

## TECHNICAL SKILLS

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**Languages:** Python, Java, C++, JavaScript, HTML + CSS, Node.js, SQL, Ansible, Rego, Qt

**Technologies & Frameworks:** AGILE, VS Code, Linux, Blackduck, Git, CI/CD, Kafka, VIM, Claude Code, Devin AI, CoPilot