

Itwela Ibomu

US Citizen | citwela@example.com

EDUCATION

Georgia Institute of Technology

Bachelor of Science in Computer Science

Atlanta, GA

Sep 2015 – May 2019

- GPA: 3.7/4.0
- Dean's List
- Relevant coursework: Machine Learning, Data Structures, Algorithms

EXPERIENCE

AI Engineer

Jan 2022 - Present

Atlanta, GA

Lotus AI Solutions

- Built an API-driven agent pipeline to orchestrate LLMs and multimodal generators for automated title, content, audio narration, and image generation while enforcing the company's content and ethical guidelines.
- Produced audiobook narration used by my father; packaged audio + book bundles and generated five-figure revenue from album and book sales.
- Developed a monetization and pricing strategy by analyzing dozens of model cost/performance tradeoffs to ensure profitable unit economics.

ML Engineer

Jan 2020 - Dec 2021

Atlanta, GA

Previous Company

- Developed production-grade machine learning models for recommendation systems and semantic search.
- Implemented vector search applications using Pinecone and PostgreSQL + pgvector.
- Engineered asynchronous APIs using FastAPI, containerized services with Docker and Kubernetes.
- Collaborated with product and engineering teams to translate business goals into measurable ML outcomes.

PROJECTS

AI Agent Pipeline | *Python, LangChain, FastAPI*

2023

- Developed an autonomous AI agent pipeline with reasoning loops, memory layers, and orchestration pipelines for content generation.
- Implemented API-driven orchestration of LLMs and multimodal content generators.
- Ensured compliance with company content and ethical guidelines.
- Built monitoring systems for token usage and model performance.

TECHNICAL SKILLS

Languages: Python, PyTorch, LangChain, Pinecone, FastAPI, Docker, Kubernetes, RAG pipelines, Vector Search, Time-series modeling

Additional Skills: Machine Learning, Data Analysis, API Design, CI/CD