

Khidir K. Ahmed

US Citizen | khidirahmed@nyu.edu | (585)-532-1310 | LinkedIn: [Khidir Ahmed](#) | [khidirahmed.dev](#) | [GitHub](#)

EDUCATION

New York University

B.A. in Computer Science and Economics

New York, New York

Expected Graduation, May 2027

- **Related Coursework:** Data Structures & Algorithms, Object-Oriented Programming, Intro to Programming & Problem Solving, Intro to Engineering & Design, Computer System Organization, Applied Internet Technology, Design & Analysis of Algorithms, Operating Systems, Calculus I, II, and Discrete Mathematics
- **Organizations:** National Society of Black Engineers, ColorStack, CodePath, Tech@NYU, Gentlemen of Quality, Academic Achievement Program, Trio Scholars, and NYU MSA

EXPERIENCE

The Home Depot

Software Engineering Intern – Data Protection

Atlanta, Georgia

May 2025 – July 2025

- Improved an AI-based language detection pipeline for enterprise data protection, collaborating with security engineers to increase secure document handling efficiency by 70% across multilingual inputs.
- Analyzed and labeled thousands of sensitive documents to inform policy enforcement in Netskope, reducing false positives by ~15%.
- Developed a RAG-based chatbot to assist internal cybersecurity teams in identifying and understanding potential security concerns within documents and presented the project to the company CISO.

New York University

Desktop Support Assistant (Library IT)

New York, New York

September 2024 – Present

- Resolved over 50 helpdesk support tickets monthly, enhancing user experience and reducing system downtime.
- Managed security updates and OS installations for 60+ devices, enhancing system stability and reducing vulnerabilities.
- Managed vendor relationships to resolve technical issues, successfully reducing ticket resolution time by 25%.

Hackathons

Hacker

New York, New York

September 2024 – Present

- Built and shipped end-to-end systems at 7+ MLH hackathons, collaborating in fast-paced, team-based environments under strict time constraints.
- Won multiple team-based competition tracks, including a \$5,000 DivHacks award for an AI-driven misinformation system.

PROJECTS

FastFacts

Python, LangGraph, MCPs

New York, New York

October 2025

- Implemented a real-time agentic fact-checking system using LangGraph and MCPs to orchestrate retrieval, verification, and synthesis agents to orchestrate tool calls and surface verified answers end-to-end.
- Designed parallel agent execution pipelines to coordinate retrieval, verification, and response synthesis within a 32-hour hackathon.
- Won Best Entertainment and Best Use of Opik Track (\$5,000 prize) among 100+ competing teams.

Textfly

TypeScript, SDKs, Multi-Agent Systems

Princeton, New Jersey

October 2025

- Built a fully text-based AI travel assistant enabling real-time flight delay prediction and weather-aware travel insights without apps or downloads.
- Designed specialized sub-agents to perform parallel data retrieval and analysis, reducing end-to-end response latency by ~40% versus a single-agent baseline.

Tuffr

YOLO, OpenCV, Hardware Integration

New York, New York

November 2025

- Built an AI-driven workout analysis tool using YOLO + OpenCV that delivered real-time form scoring with improved model accuracy, helping users train safely and avoid injury.
- Engineered a Python AI agent, React frontend, and hardware interface enabling sub-100ms end-to-end feedback via Arduino.
- Developed ECG-based signal amplification using op-amp circuitry, contributing to analytics that won Best Use of Qualcomm Edge AI.

SKILLS & TOOLS

Languages: Python, C++, C, Go, Java, JavaScript/TypeScript, Bash

ML & AI: PyTorch, TensorFlow, LangChain, Hugging Face Transformers, NumPy, scikit-learn

Backend & Systems: FastAPI, Flask, Next.js, Node.js, React

Tools: Git, Android Studio, VS Code, Jira, Netskope, MS Office, Slack

Languages Spoken: English (Fluent), Arabic (Proficient), Spanish (Beginner)