

Allan Kangethe

Graduate Student, M.S. Computer Science | Georgia Institute of Technology

U.S. Citizen | Eligible for Security Clearance

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SUMMARY

Software Engineer and Computer Science graduate pursuing an M.S., with hands-on experience building full-stack applications, backend APIs, and data-driven software using Python, Java, and SQL. Proven ability to debug, test, and ship clean code in Agile team environments. U.S. citizen eligible for security clearance, with a strong interest in scalable software development and cloud-based systems.

EDUCATION

Georgia Institute of Technology

Atlanta, Georgia

Master's of Science in Computer Science (OMSCS)

Expected: Dec 2027

Specialization: Artificial Intelligence

- **Focus:** Machine Learning, Software Engineering, and Cloud (AWS)

University of Maryland Baltimore County

Baltimore, Maryland

Bachelor's of Science in Computer Science

Graduated: May 2025

- **Related Coursework:** AI, Data Structures & Algorithms, Software Engineering, Databases, Statistics

EXPERIENCE

WezeshaNt Technologies Ltd

Nairobi, Kenya

Software Engineer Intern, Remote Development Team

June 2025 - Dec 2025

- Gained exposure to production AI systems and local LLM deployment in a professional engineering environment
- Observed development of a network-based client application using TypeScript and C++
- Participated in Agile sprint ceremonies, code reviews, and team workflows in a remote engineering environment

PROJECTS

Socratic Feedback Model | [Python](#), [Flask](#), [JavaScript](#), [Ollama](#), [Pytest](#)

- Built a full-stack AI tutoring application using Flask and vanilla JavaScript, integrating a local LLM via the Ollama API to deliver adaptive, stage-based feedback to users
- Implemented three scaffolded learning stages — Socratic questioning, automated code review via Pytest, and worked solutions — with per-session analytics logging and a completion tracker

Full-Stack Social Media Platform | [Python](#), [Flask](#), [SQLite](#), [HTML/CSS](#)

- Designed and built REST APIs and a SQLite database schema to support core features including user authentication, posts, and interactions with backend validation
- Developed a React frontend with styled components integrated with backend endpoints, applying Agile practices and Git for version control throughout development

TECHNICAL SKILLS

Languages: Python, Java, C++, JavaScript, SQL, C#

Web: HTML, CSS, Flask, REST APIs

ML/Data: TensorFlow, Keras, scikit-learn, NumPy, Pandas, Matplotlib

Databases: MySQL, SQLite, MongoDB

Tools: Git, Linux, Jira, Pytest, Ollama

Concepts: Agile, OOP, Debugging, Unit Testing, SDLC