

# Allan Kangethe

Computer Science Student

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## EDUCATION

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### Georgia Institute of Technology

Master's of Science in Computer Science (OMSCS)

Specialization: Artificial Intelligence

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

Atlanta, Georgia

Expected: Dec 2027

### University of Maryland Baltimore County

Bachelor's of Science in Computer Science

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

Baltimore, Maryland

Graduated: May 2025

## SUMMARY

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Computer Science graduate and U.S. citizen pursuing an M.S. in Computer Science (AI). Experience building data-driven software with Python and SQL, including machine learning projects, analytics, and backend development. Interested in AWS cloud fundamentals and scalable system design.

## EXPERIENCE

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### Wezeshanet Technologies Ltd

Software Engineer Intern, Remote Development Team

- Developed Python/C++ modules and utility scripts to support client-facing applications.
- Debugged production issues by reproducing failures, isolating root causes, and validating fixes.
- Collaborated in Agile sprints using Git workflows, PR reviews, and issue tracking.

Nairobi, Kenya

June 2025 - Dec 2025

## PROJECTS

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### Breast Cancer Prediction Tool | [Python](#), [TensorFlow](#), [Keras](#)

- Built a CNN image-classification pipeline using mammograms scans (preprocessing, augmentation, training/validation split) for breast cancer prediction.
- Evaluated model performance using standard metrics (accuracy + confusion matrix); achieved >90% accuracy.

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

- Built REST APIs and a SQLite schema to support core features (users, posts, interactions) with backend validation.
- Developed a React UI and styled components with HTML/CSS; integrated frontend with backend endpoints

## RESEARCH & WRITING

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### Education Technology (CS 6460) | Georgia Institute of Technology

Spring 2026

- Reviewed research on how large language models (LLMs) affect learning outcomes, student behavior, and instructor workflow.
- Synthesized findings into a structured report covering benefits, risks (bias/overreliance), and classroom use cases.

## TECHNICAL SKILLS

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

**Web:** HTML, CSS, React, Flask

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

**Databases:** MySQL, SQLite, MongoDB

**Tools:** Git, Linux, Jira