

# ALMOSTAFA AALABDULRASUL

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## EDUCATION

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**Master of Computer Science**, Georgia Institute of Technology Currently Attending

*Specialization: Computing Systems*

**Bachelor of Computer Engineering**, Michigan State University May 2026

*Concentration: Cybersecurity*

**Relevant Coursework:** Data Structures & Algorithms, Object-Oriented Programming, Software Engineering, Operating Systems, Computer Security, and Communication Networks & Security.

## EXPERIENCE

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**Software Development Engineer Intern** May 2025 - Aug 2025

Amazon Web Services *Seattle, WA*

- Improved billing data tracing time by approximately 50% by optimizing data aggregation workflows, using AWS internal AI tooling to accelerate implementation planning and debugging.
- Conducted extensive testing and validation across various billing data sources to ensure accuracy and reliability of the aggregation logic.
- Developed a customer-focused service using Java and various AWS services to offer visibility and tracking of AWS billing processes, improving transparency and enabling faster tracing of bill discrepancies.

**Software Development Engineer Intern** May 2024 - Aug 2024

Amazon Web Services *Seattle, WA*

- Achieved an approximate 40% reduction of incident detection time by enabling real-time monitoring of AWS resources and application events, improving system reliability for internal teams.
- Automated the collection and surfacing of logs, metrics, and events from CloudWatch, enabling teams to efficiently diagnose application and infrastructure issues.
- Developed an internal tool to streamline monitoring of logs, metrics, and events from AWS resources and applications collected by CloudWatch using Python and AWS services, integrating with existing ticketing systems.

**iOS / Mac+ Technical Advisor** Feb 2022 - May 2024

Apple Inc. *Lansing, MI*

- Provided advanced technical support for iOS and macOS platforms, diagnosing and resolving hardware and software related issues through systematic debugging and root-cause analysis.
- Maintained up-to-date knowledge of iOS/macOS system features, software updates, and bug fixes to effectively assist users.

## PROJECTS

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**Phishing URL Detection Web Application:** Developed a Python/Flask web application that analyzes URLs using machine learning classifiers trained on phishing datasets to estimate malicious likelihood and confidence scores. Engineered lexical, domain-based, WHOIS, and URL-structure feature extraction workflows, using AI-assisted development to accelerate prototyping and debugging while independently validating security logic.

## SKILLS

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<b>Languages</b>	Python, C++, Java, JavaScript, SQL
<b>Cloud &amp; Infrastructure</b>	AWS (Lambda, IAM, CloudWatch, DynamoDB, S3), Docker, Linux, Git, GitHub
<b>Security &amp; Systems</b>	Authentication & Authorization, REST APIs, Networking Fundamentals Logging & Monitoring