# Muhafud A. Farah

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## EDUCATION

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|---|---|
| **Carleton University** | **Ottawa, Ontario** |
| *B.S. in Computer Science* | *Expected May 2026* |

**Related Coursework:** Data Structures & Algorithms, Object-Oriented Programming, Web Development, System Programming.

## Career Objective

Passionate Computer Science student with a strong foundation in backend systems, secure API development, and cloud automation. Seeking a Software Developer Internship at Robinhood to apply scalable backend development skills, deepen fintech knowledge, and contribute to solutions that democratize finance.

## SKILLS

**Technical Tools:**

- **Languages & Frameworks**: Python, Java, JavaScript (Node.js), C++, React
- **Backend & Cloud**: MongoDB, SQLite, Docker, Boto3, AWS S3/IAM/CloudWatch
- **DevOps & Security**: JWT, SQL, regex, automation scripting, API hardening
- **Soft Skills**: Problem-solving, cross-functional collaboration, clear communicator
- **Certifications**: Level II Security Clearance

**Security & Networking:**

- IAM policy analysis, S3 data classification, regex-based threat detection, incident response principles
- Understanding of OSI model, cloud security concepts, access control (IAM), encryption best practices
- Familiar with Active Directory, Azure AD, antivirus/email protection tools

## EXPERIENCE

**cuHacking | Developer & Hackathon Organizer**                                 *Aug 2023 - Present*

- Built secure APIs with Node.js, JWT auth, and MongoDB for 300+ users
- Scaled infrastructure by optimizing queries and backend schema performance
- Coordinated hackathon ops tools and backend data processing

**Aerotek (Honeywell intelligrated) | Quality Technician**                      *June 2021 – Feb 2022*

- Automated departmental tasks, improving team productivity by 25%
- Identified and mitigated a network security risk
- Supported system diagnostics and incident troubleshooting

## PROJECTS

**VaultScan | Python, AWS (S3, IAM, CloudWatch), SQLite, Boto3**

- Designed an S3 data scanner using regex to find sensitive and unencrypted files
- Built an IAM policy checker to detect misconfigurations and trigger CloudWatch alerts
- Automated compliance tracking with SQLite reporting

## ACTIVITIES AND LEADERSHIP

**NSBE | Region I (East Canada) Planning member**

- Coordinated Spring Zone Conference logistics for 1,000+ attendees

- Enhanced regional collaboration and knowledge-sharing