

# 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

Motivated Computer Science student with a focus on Intelligence and Modeling/Simulations. Seeking a Data Science & AI internship at Rocket Innovation Studio to apply and expand skills in machine learning, predictive modeling, and data-driven decision making through innovative research and product collaboration.

## SKILLS

- **Languages & Frameworks:** Python, Java, JavaScript, C++, Node.js, React
- **Tools & Platforms:** AWS (S3, IAM, CloudWatch), SQLite, Docker, Boto3, Scapy, Selenium
- **Data & Modeling:** Data classification, automation, regex scanning, structured reporting
- **Soft Skills:** Collaborative problem-solving, technical writing, public speaking
- **Certifications:** Level II Security Clearance

## EXPERIENCE

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**cuHacking | Developer & Hackathon Organizer**

**Aug 2023 - Present**

- Built secure backend infrastructure using Node.js and MongoDB with JWT authentication
- Analyzed and processed high-volume registration data to streamline logistics for **300+** participants
- Coordinated with developers, designers, and planners to ensure operational success

**Aerotek (Honeywell intelligrated) | Quality Technician**

**June 2021 – Feb 2022**

- Developed automation tools to reduce manual tasks, increasing efficiency by **30%**
- Identified and resolved technical issues, **reducing system downtimes**
- Collaborated with IT and non-technical staff to improve system operations

## PROJECTS

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

- Built a Python-based tool to scan and classify S3 bucket data for sensitive content using regex
- Designed an IAM policy analyzer to detect misconfigurations (e.g., **wildcard s3:\***)
- Automated report generation via SQLite and triggered real-time alerts through AWS CloudWatch

## ACTIVITIES AND LEADERSHIP

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

- Coordinated Spring Zone Conference logistics for 1,000+ attendees
- Enhanced regional collaboration and knowledge-sharing