

Muhafud A. Farah

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EDUCATION

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

Versatile Computer Science student with full-stack development experience and a passion for building impactful software products. Seeking a co-op at Lancey to contribute to scalable feature development, integrations, and fast-paced product growth while collaborating with a small, driven team.

SKILLS

- **Languages & Frameworks:** JavaScript, Python, Java, React, Node.js, MongoDB, Docker
- **Frontend:** React, HTML/CSS, dynamic UI design, state management
- **Backend:** Node.js APIs with MongoDB, JWT-based authentication
- **Version Control:** Git & GitHub, CI principles
- **Databases:** MongoDB, SQLite
- **Mindset:** Startup-focused, adaptable, proactive collaborator

EXPERIENCE

cuHacking | Developer & Hackathon Organizer

Aug 2023 - Present

- Built secure backend APIs using Node.js and MongoDB with JWT authentication
- Designed scalable systems to support over 300 users during peak event operations
- Collaborated with logistics and UI teams to build smooth front-end experiences

Aerotek (Honeywell intelligrated) | Quality Technician

June 2021 – Feb 2022

- Automated internal workflows with custom scripts, increasing efficiency by 25%
- Worked with engineers to understand system-level diagnostics and optimize process tools

PROJECTS

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

- Created a CLI tool for scanning AWS S3 buckets for unencrypted data using regex
- Automated compliance reporting via SQLite and integrated alerts through AWS CloudWatch

Book Library App | Node.js, Express, Google Books API, MongoDB

- Developed a full-stack app allowing users to search, save, and view book info
- Integrated Google Books API and implemented secure data handling with server routes

ACTIVITIES AND LEADERSHIP

NSBE | Region I (East Canada) Planning member

- Oversaw event logistics for 1,000+ attendees; managed data, timelines, and documentation
- Collaborated with organizers to define structured plans and delegate tasks effectively