Muhafud A. Farah

Ottawa, Canada | Muhafudalifarah@outlook.com| (613)-413-7064 | LinkedIn: Muhafud Farah | GitHub: Dotmally

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

Computer Science student with experience in C++, Python, and systems programming, seeking a software engineering internship at Huawei's Noah's Ark Lab. Passionate about AI research applications and mobile system integration, with a focus on code optimization, documentation, and cross-team development.

SKILLS

- **Languages**: Python, C++, Java, JavaScript, C
- **Tools & Frameworks**: Node.js, React.js, Git, SQLite, AWS
- **Mobile/Systems Knowledge**: Android (app layer), HarmonyOS (interest & learning in progress)
- **AI Knowledge**: Familiarity with ML workflows and data preparation (project-based)
- **Soft Skills**: Excellent documentation, team collaboration, and system integration

EXPERIENCE

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

- Managed backend infrastructure and integrated JWT-secured APIs with MongoDB
- Led backend development cycles and collaborated across logistics, design, and infrastructure teams

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

- Developed automation tools to increase productivity by **25%**
- Resolved hardware/software issues and helped analyze system-level bugs with engineering teams
- Created internal documentation and coordinated with cross-functional staff

PROJECTS

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

- Developed a CLI tool to scan S3 buckets for sensitive data using regex pattern matching
- Created IAM analysis features to identify misconfigured permissions
- Integrated SQLite-based reporting with CloudWatch alerts and SNS triggers

Ghost Hunt Simulator — C, Ubuntu VM

- Built a multithreaded simulator mimicking ghost-hunting behavior in a dynamic environment
- Applied systems programming and concurrency for real-time interactions between hunters and AI ghost logic

ACTIVITIES AND LEADERSHIP

NSBE | Region I (East Canada) Planning member

- Coordinated large-scale events with data-driven session and budget planning

- Created structured documentation to enhance collaboration across regional committees