

# Zaid Ahmad

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## Education

**Carleton University**, BS in Computer Science, Artificial Intelligence and Machine Learning Stream Sept 2024 – May 2028

- CGPA: 7.3/12
- **Coursework:** Python and Java Programming; Data Structures and Algorithms; C/C++ Programming; Calculus; Linear Algebra .

## Skills

**Languages:** C++, C, Java, Python, JavaScript

**Libraries:** Matplotlib, Node.js

**Development Tools and Platforms:** VScode, Unreal Engine, Godot, Git/GitHub, Linux, Virtual Machines, MongoDB, Firebase

## Experience

**Logistics Coordinator**, cuHacking – Ottawa, Ontario September 2025 – Present

- Coordinated event logistics for CU Hacking, managing scheduling, room reservations, equipment setup, and on-site operations to ensure a smooth experience for participants
- Collaborated with organizers, sponsors, and volunteers to plan and execute event workflows, resolving logistical issues efficiently during live events
- Oversaw inventory and resource distribution (check-in materials, swag, food, and supplies), maintaining organization and adherence to event timelines

**Chief Petty Officer Second Class – Logistics Chief** , RCSCC Falkland – Ottawa, Ontario Sept 2018 – Jun 2025

- Managed logistics and inventory for over 100 cadets, ensuring readiness and accuracy.
- Mentored junior cadets, fostering leadership, discipline, and teamwork.
- Led instructional sessions on uniform care and supply protocols.

**Hackathon Hacker** , CUHacking 2025 – Carleton University, Ontario Mar 2025 – Mar 2025

- Participated in the CUHacking 2025 hackathon, where I collaborated with a team to build the Homeless Shelter Finder app.
- Worked with technologies like React Native, Firebase Firestore, and Node.js to develop an app that allows users to find nearby homeless shelters based on specific criteria.
- Focused on backend development and integration of Firebase Firestore for real-time shelter data storage.

## Projects

**Homeless Shelter Finder (CUHacking 2025)** [github.com/zaidahmad16/cuHacking-2025-Project](https://github.com/zaidahmad16/cuHacking-2025-Project)

- Developed a full-stack mobile application during a hackathon to help users discover nearby homeless shelters with location-based filtering
- Collaborated in a team environment to design the UI and integrate backend services under time constraints
- Tools Used: React Native, Node.js, Firebase

### **Multithreaded C Simulation Game**

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Final-Project

- Built a multithreaded C simulation utilizing semaphores and synchronization primitives to manage concurrent agents
- Implemented deadlock prevention, thread coordination, and memory management techniques
- Tools Used: C, POSIX Threads, Semaphores, Linux via Virtual Machine

### **Personal Portfolio Website (Link: <https://zaidahmad.dev/> )**

[github.com/zaidahmad16/ZaidAhmadWeb](https://github.com/zaidahmad16/ZaidAhmadWeb)

- Designed and deployed a responsive personal portfolio website to showcase projects, skills, and experience
- Implemented clean UI, navigation, and interactive elements using modern frontend practices
- Tools Used: HTML, CSS, JavaScript