

# Ali-Akber Raza

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Summer 2026 Co-op Candidate (May–September)

## EXPERIENCE

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**siberX** - [siberX.org](https://siberX.org)

Aug. 2022 – Sept. 2025

*Developer*

*Richmond Hill, ON*

- [Cybersecurity Event Scraper](#) - Built an AI-powered web scraper to collect cybersecurity event data from global sources (900+ events), parsed and structured backend data into a frontend-accessible format.
- [ODTN.News](#) - Developed and launched an immersive cyber-themed news platform simulating real-world threat landscapes to market cybersecurity conferences.
- [Ready Set Cyber](#) - Developed website supporting national cybersecurity drills: built data collection forms, integrated submissions into a backend database, and automated participant outreach through Mailchimp audiences.

## PROJECTS

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**ModelViz** - [modelviz.pages.dev/](https://modelviz.pages.dev/)

*TensorFlow, TypeScript, SvelteKit*

- Built a browser-based visual aid to help students understand how neural networks fit mathematical functions.
- Users can define layer structure via a UI and observe live training loss changes on plotted functions.

**Pwn Panel** - [pwn-panel.pages.dev](https://pwn-panel.pages.dev)

*SvelteKit, Tailwind, Cloudflare*

- Created a browser-based tool to organize CTF challenges with structured note-taking and command tracking.
- Automated ~80% of routine CTF tasks (scanning, parsing, note-taking)
- Used by a team in 5+ competitive CTF events.

**Firefox Development** - [bugzilla.mozilla.org/user\\_profile?user\\_id=738995](https://bugzilla.mozilla.org/user_profile?user_id=738995)

*Open Source, Bug Fixing, Javascript, C++*

- Collaborated with ~10 developers in the triaging, debugging, and resolution of browser issues.
- Multiple accepted patches in upstream Mozilla codebase.

**DSA Showcase** - [republic-168.pages.dev/](https://republic-168.pages.dev/)

*Object-Oriented Design, Data Structures, Algorithms*

- Built a high-performance restaurant search app with filtering, grid map location display, and performance logging.

**Personal Website** - [aliakber.pages.dev/](https://aliakber.pages.dev/)

*SvelteKit, Responsive Design, Figma*

- Designed and deployed a fully responsive personal site (1k+ views) using mobile-first and accessibility-first design.

## EDUCATION

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**McMaster University**

Sep. 2025 – July 2029

*B.CompSc (Honours)*

*Hamilton, ON*

- Enrolled Fall 2025, aiming to transfer into Honours Computer Science stream.
- Current Fall Term: Linear Algebra, Engineering Calculus, Discrete Math, Programming Principles.

## SKILLS & INTERESTS

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**Languages:** C++, TypeScript, Python, C#, Dart, GoLang

**Frameworks:** SvelteKit, Flutter, Tailwind CSS

**Tools & Environments:** Git, Linux, Vim, Bash