

Ali-Akber Raza

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PROJECTS

ModelViz - modelviz.pages.dev/

- TensorFlow, TypeScript, SvelteKit
- Visual teaching aid to demonstrate how neural networks learn by fitting mathematical functions.
- Users can build networks via a GUI and watch animated training processes in real time.

Pwn Panel - pwn-panel.pages.dev

- SvelteKit, Cloudflare, JavaScript, Tailwind
- CTF (Capture The Flag) management tool that automates tasks like port scanning and output parsing.
- Supports structured note-taking, command execution, and full import/export functionality.

Firefox Development - bugzilla.mozilla.org/user_profile?user_id=738995

- Open Source, Bug Fixing, Javascript, C++
- Contributed to Mozilla Firefox by reporting bugs, writing patches, and debugging existing issues.
- Worked collaboratively with open source maintainers to triage, fix, and test browser issues.

DSA Showcase - republic-168.pages.dev/

- Object-Oriented Design, Data Structures, Algorithms
- Demonstrates core data structures via a restaurant menu simulation (linked lists, trees, graphs).
- Implements merge sort, binary search, and graph traversal to show algorithmic thinking and OOP.

Personal Website - aliakber.pages.dev/

- SvelteKit, Responsive Design, Figma
- Responsive website built to showcase resume, projects, and contact info.
- Designed and deployed using modern frontend tools and UI/UX best practices.

EXPERIENCE

siberX - siberX.org

Assistant

Aug. 2022 - Feb 2025

Richmond Hill, ON

- Built a custom web scraper to collect cybersecurity event data from global sources (700+ events total).
- Parsed, structured, and populated event data into a frontend-accessible format.

R.G.S.S Tech Crew

Event Crew Member

Sep. 2022 – Present

Richmond Hill, ON

- Operated lighting and sound for school productions and assemblies.
- Took initiative in setup, execution, and teardown of live events under pressure.

EDUCATION

Richmond Green Secondary School

Student

Sep. 2022 - Present

Richmond Hill, ON

- 100% Computer Science Average.
- Business Award.

SKILLS & INTERESTS

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

Frameworks: SvelteKit, Flutter, Tailwind CSS

Tools & Environments: Git, Vim, Linux, Bash