

Aman Meherally

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EDUCATION

University of Toronto

Co-op - Hons. BSc (CS & Statistics)

Recipient of University of Toronto Scholar Award (Merit-based scholarship of ~\$20,000)

Toronto, ON

April 2028

EXPERIENCE

Software Engineering Intern

CGI

January 2026 – Present

Toronto

- Tested API endpoints handling **250K+ daily requests** by building an internal automated testing framework
- Reduced server memory and storage consumption by **50%** by optimizing Java/Spring artefacts by implementing shared logic, removing redundant builds and adjusting build pipelines
- Reclaimed **10+ hours** per month and stabilized CI/CD deployments across **200+ microservices** by resolving Jenkins pipeline failures and engineering automated scheduler conflict-resolution tooling

Technology Director

GenAI Genesis

September 2025 – March 2026

Toronto

- Sustained zero-downtime platform stability for **2,500+ active users** by engineering a centralized dashboard in NextJS and Supabase and monitoring **500,000+ daily logs** via Posthog and Axiom to deploy real-time hot-fixes
- Guaranteed the secure distribution of **\$20,000+** in hackathon prizes by architecting a scoring system in Python
- Accelerated feature delivery and fortified system integrity by identifying and patching **10+ critical vulnerabilities** (including XSS and CSRF) while unblocking team members through PR reviews and frequent, efficient communication

Software Engineering Intern

Kumon

September 2025 – December 2025

Toronto

- Eliminated **100+ hours** of monthly administrative overhead by architecting a Next.js and PostgreSQL web application that migrated decentralized spreadsheets into a single automated system
- Increased timesheet reporting accuracy by **20x** across **400+ weekly logged hours** by conducting UAT with 20+ staff members to design and deploy a highly adopted, centralized UI
- Secured financial and academic records for **200+ active system users** by implementing a data-access layer

Software Engineering Intern

Disposable Food Packaging

February 2025 – April 2025

- Reduced manual labour by **99%** by creating a streamlined **one-click** user interface to generate and upload backups
- Safely stored **10GB+** / **mo** of database backups with a custom cloud-local sync engine to ensure data integrity, durability and availability, saving **50+ manual hours** by eliminating a critical manual workflow

Co-founder & CTO

KKC Classroom

May 2025 – Present

Toronto

- Reduced pre-deployment bugs by **40%**, led a **100% codebase migration** to TypeScript, enabled the launch of **3+** core features by architecting a full-stack Next.js and PostgreSQL platform
- Established the primary revenue stream and secured video assets against unauthorized distribution by integrating Stripe and engineering a secure AWS streaming pipeline using S3 pre-signed URLs and Elemental MediaConvert

PROJECTS

Blur | [GitHub](#), [DevPost](#)

Vite, Tailwind, React, Python, OpenCV, pytesseract | *semi-finalist at Hack the North*

- Won as a **semi-finalist** at the **largest hackathon in Canada** and secured a spot in the **top 32 out of 250+** teams by pitching to YCombinator, Groq and Ollama
- Architected the API and frontend of Python-based software which takes a video stream and blurs sensitive information
- Created a real-time WebRTC video chat app in ReactJS to integrate and illustrate the use-case of this software

DevDoc | [GitHub](#), [DevPost](#)

Next.js, Tailwind, React, shadcn, Neon, PostgreSQL, pgvector

- Gained **2500+** installs on the VS Code Extension marketplace by building an AI co-pilot with LLM RAG support
- **Prevented CVE 9+** vulnerabilities that current models do not catch by connecting a vector-store database to host docs

SKILLS

- **Languages:** Java, Python, C/C++, C, JavaScript/TypeScript, SQL, HTML/CSS
- **Frameworks & Web:** React, Angular, Node.js, Express.js, Spring Boot/J2EE, .NET
- **Databases & DevOps:** Oracle/MS SQL, DB2, Git/GitHub, AWS/Azure, Linux/Unix, CI/CD
- **Methodologies & Tools:** OOP & SOLID Principles, Data Structures & Algorithms, Agile/SDLC, Unit/Integration Testing, Jira/Confluence, Data Modeling