Aman Meherally

Email   Website   LinkedIn   GitHub   Toronto, ON

EDUCATION

University of Toronto Toronto, ON
Co-op - Hons. BSc (CS & Statistics) *May 2027*

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

EXPERIENCE

Software Engineering Intern — January 2026 – April 2026
CGI — *Toronto*

- Stabilized QA builds by resolving Spring (Java) bugs in Jenkins, directly improving the reliability of client presentations

Software Engineering Intern — September 2025 – December 2025
Kumon — *Toronto*

- Led the end-to-end development of a full-stack employee management system, successfully tracking **400+ weekly timesheet hours** by architecting a scalable solution with **Next.js, Supabase, and PostgreSQL**
- Engineered a highly intuitive user interface with Next.js, achieving rapid adoption across the company by conducting **User Acceptance Testing (UAT)** with **20+ tutors and administrators** to streamline data management
- Secured sensitive payroll and student data by designing optimized PostgreSQL schemas, implemented robust **Row-Level Security (RLS)**, validating data integrity through comprehensive API security tests using **Jest** and **Supertest**
- Developed and launched a secure, user-centric dashboard that **centralized timesheet, payroll, and student data**, enabling seamless CRUD operations and providing a **single source of truth** for administrative staff

Co-founder & CTO — May 2025 – Present
KKC Classroom — *Toronto*

- Spearheaded the end-to-end **architecture** of a full-stack EdTech platform using Next.js, Firebase, and **PostgreSQL with Prisma**, enabling the on-time launch of 3+ core product features
- Reduced potential pre-deployment bugs by **40%**, improved code quality by leading a 100% codebase **migration to TS**
- Engineered the platform's core monetization engine to establish the primary revenue stream, integrating the **Stripe API** with a Next.js and Firebase backend to seamlessly and **safely process user subscriptions**
- Secured proprietary video assets against unauthorized distribution by implementing a secure streaming pipeline using **AWS S3 pre-signed URLs** and **AWS Elemental MediaConvert** for protected content chunking

Software Engineering Intern — February 2025 – April 2025
Disposable Food Packaging

- Engineered database backup optimizations, **reducing processing time by 95%** (from 5 minutes to 15 seconds) and streamlining UX to a **one-click interface**, significantly boosting operational efficiency
- Developed a remote data editing feature for **MS SQL** databases by architecting a **cloud-local sync engine** with versioning, eliminating a critical manual workflow and enhancing data management flexibility
- Integrated AWS S3 to safely store **10GB+** of database backups, ensuring data integrity, accessibility, and recovery

PROJECTS

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

- Architected the **API** of Python-based software which takes a video stream and intelligently blurs confidential information
- Created a real-time **WebRTC** video chat app in **React** to integrate and illustrate the use-case of this software
- Pitched this SaaS to judges from YCombinator, Groq and Ollama to be sold to streaming platforms (**Twitch**, **Discord**, **Zoom**), secured a spot in the top 32 teams and finished as a semi-finalist at the largest hackathon in Canada

DevDoc | GitHub, DevPost — *Next.js, Tailwind, React, shadcn, Neon, PostgreSQL, pgvector*

- **Languages**: Java, JavaScript (ES6+), TypeScript, SQL, HTML5/CSS3, Python, Bash
- **Frameworks & Libraries**: Spring Boot, React.js, RESTful APIs, Hibernate/JPA, SASS, Redux, JUnit
- **Tools & Methodologies**: Git/GitHub, Webpack, NPM, Maven/Gradle, Docker, Agile/Scrum, CI/CD

SKILLS

- **Languages**: JavaScript (ES6), TypeScript, HTML5, CSS3/SCSS, XML, JSON, SQL
- **Frameworks & Build Tools**: React.js, Bootstrap, Webpack, Node.js, Storybook.js, NPM/Yarn
- **DevOps, Testing & Agile**: Git/Bitbucket, Agile/Scrum, Unit Testing (Jest), Web Accessibility (WCAG), GitHub Copilot, CI/CD