

AHNAF HANIF

Canadian Citizen | ahnafhanif2008@gmail.com | (647)-856-5908 | Location: Toronto, Ontario

EDUCATION

University of Waterloo

Bachelor of Mathematics

- President's Distinction Scholar, William D. Packham Scholarship

Waterloo, Ontario

Expected Graduation, June 2031

Wilfrid Laurier University

Bachelor of Business Administration

- President's Gold Scholar

Waterloo, Ontario

Expected Graduation, June 2031

PROFESSIONAL EXPERIENCE

FschoolAI, Software Engineer, Toronto ON

September 2026 - Present

- Developing LLM integrations for FschoolAI, a mobile-first student academic platform with Canvas course sync, supporting AI features including a personal AI tutor and AI-generated flashcards.
- Building React UI for the student web app across course, calendar, flashcard study, and AI tutor views, collaborating on a ~35-person team.

The Graduates Project, Founding Fellow, Toronto ON

May 2026 - Present

- Selected as one of ~10 founding fellows to build Ascend, a student guidance platform addressing Ontario's ~400:1 student-to-counselor ratio, in partnership with the Toronto, York, Durham, and Peel district school boards.
- Conducted user research and synthesized findings from a 30-user alpha into product direction, while running school outreach to expand pilot adoption.
- Represented TGP at 15+ industry demos, pitches, and conferences, including at Shopify, Google, AWS, DMZ, and BDC.

Ignite Racing (F1 in Schools Canada), Team Member, Toronto ON

November 2025 - May 2026

- Contributed to sponsor outreach that secured \$15,000 in sponsorship funding from Tim Hortons and BioSteel, pitching 50+ companies to close 2 major partnerships that funded car design, manufacturing, and travel to Nationals.
- Team won Canadian National Champions at STEM Racing Nationals (also winning Best Engineered Car, Best Team Identity, and Best Enterprise Portfolio), qualifying for the F1 in Schools World Finals in Singapore.

3Pointers INC, Student Intern, Toronto ON

September 2024 - January 2025

- Pitched and secured supply agreements with 5+ local restaurants, generating over \$8,000 in kitchenware sales within three months.
- Analyzed 200+ customer, sales, and inventory records in Microsoft Excel, presenting weekly insights to support purchasing and operational decisions.

City of Toronto, Pool Attendant, Toronto ON

June 2024 - Present

- Managed safety compliance data for 100+ patrons daily and resolved 20+ inquiries per shift, documenting incidents in digital operational logs.

PROJECTS

MYLD (My Learning Date) | Chrome Extension for Unified Course Deadlines

JavaScript, HTML/CSS, Chrome Extensions (Manifest V3), Node.js

- Built a Chrome extension that aggregates assignments and quizzes from MyLearningSpace, Pearson MyLab, and Achieve into one deadline planner for Laurier students, merging duplicate courses and tracking completion.
- Implemented 30-minute background sync with changed-due-date flagging and custom reminders, running fully client-side with read-only session requests and an automated Node.js test suite.

PortfolioLens | Full-Stack Portfolio Analytics Platform

Next.js, TypeScript, FastAPI, Python, Pandas, NumPy, SciPy, yfinance

- Built a full-stack analytics platform computing 9+ portfolio risk and performance metrics (Sharpe ratio, VaR, alpha/beta, drawdown, correlations) across up to 20 years of historical data for portfolios of up to 25 assets.
- Implemented long-only portfolio optimization and efficient-frontier analysis using SciPy, plus 10,000-path Monte Carlo simulations over a 10-year horizon using covariance matrices and Cholesky decomposition.

cliniOS Patient Flow System | Clinic Patient Intake & Triage System

Python, Object-Oriented Design

- Designed the Python object-oriented backend for cliniOS, including a dynamic triage algorithm that sorts patients by a 1-5 severity score and logic for OHIP eligibility checks, conflict-aware scheduling, and record lookup, validated across 14 test cases.

TECHNICAL SKILLS

Python (Pandas, NumPy, SciPy), TypeScript, JavaScript, HTML/CSS, React, Next.js, FastAPI, LLM API integration, Chrome Extensions, Git; Microsoft Excel (PivotTables, VLOOKUP, data cleaning, charts and reporting), Microsoft PowerPoint, Google Sheets and Slides, Canva, data analysis and stakeholder presentations.