

ASHWATHRAM PRATHAP

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EDUCATION

University of Waterloo BSc Computer Science, Co-op · Business & CS Double Degree · Member, WARG
Wilfrid Laurier University Honours Bachelor of Business Administration (BBA)

Waterloo, ON
Waterloo, ON

TECHNICAL PROJECTS

Sidecall: Breach Response for Private Equity Portfolios

2026

Cal Hacks 13.0 · Team of 4

UC Berkeley

- Built a tool that flags sister companies sharing a breached vendor login and **holds at-risk payments** until a controller verifies them.
- Enforced payment controls in a **Convex** backend with a **React/TypeScript** front end; **Claude** drafts alerts while holds stay rule-based.
- Hit **0 misses and 0 false holds** on 18 test scenarios; one report holds **304 payments** across 303 companies in about **1.4 s**.

UniMate: AI Academic Planning Assistant

2026

Snowflake Design Award · Blackboard AI Design Award

Pivot Hacks

- Shipped a full-stack AI assistant (mobile app + Chrome extension) in **TypeScript** and **Node.js** in **12 hours** with a team of 4.
- Used **Snowflake Cortex** to scan course pages and turn deadlines, exams, and class times into prioritized daily actions.
- Created hands-free voice and text interactions with the **ElevenLabs** API for capturing tasks and getting guidance on the go.

Team Lead, FIRST Robotics Competition (FRC)

2024 – 2026

Bishop P. F. Reding CSS

Milton, ON

- Directed development of the robot's **autonomous driving routines** for competition matches while leading the full team.
- Raised **over \$100,000** in funding alongside teammates, sustaining the team's build, travel, and competition operations.

EXPERIENCE

Social Media & Marketing Consultant

2025 – 2026

Zebra Canada

Canada

- Optimized ad targeting and campaign performance by analyzing **audience segmentation**, **A/B test**, and **ROAS** data.
- Established a marketing venture delivering **Gen Z-focused campaigns** to a multinational client base of medium-to-large businesses.
- Produced branded social content (posts, reels, and short-form video) for a corporate marketing team across multiple platforms.

Policy & Communications Intern, Office of the Member of Parliament

2025

Constituency Office

Milton, ON

- Drafted an Urgent Federal Budget Request seeking **\$4M annually over five years** for environmental rehabilitation and bylaw enforcement.
- Researched traffic, emissions, and labour impacts of a contested **CN logistics hub** to inform a federal mitigation strategy.
- Created **30+ social media posts** for constituent communications; consulted community stakeholders on youth-employment outreach.

Taekwondo Instructor (3rd Dan Black Belt)

2021 – 2024

Top Level Taekwondo & Martial Arts Academy

- Taught students **ages 5–50** from one-on-one sessions to **~30-person classes**, pairing technique with character education.
- Built clear progression for beginner to advanced students by adapting lessons to each level and giving individualized feedback.
- Made training accessible to **students with special needs** by adjusting instruction to meet them where they are and support their growth.

LEADERSHIP

Founder & President, Student Business & Finance Association

2024 – 2026

Bishop P. F. Reding CSS

Oakville & Milton, ON

- Founded and scaled an inter-school business association into multiple **30+ member chapters**.
- Directed a **three-person** leadership team delivering business and soft-skills workshops to Grade 9 and elementary students.

Lead Senator & Human Rights Council Chair

2024 – 2026

HCDSB Student Senate

Halton Catholic DSB

- Chaired the Human Rights & Equity Council (**36,000 students**), working with **12+ senators** to upgrade a board-wide special ed program.
- Advocated for students with special needs on the Special Education Committee, improving their high school experience.

ATHLETICS & ACTIVITIES

- Won **2× DECA Regional Championships** (provincial competitor) · **Cross Country Regional Champion** (2021–2022) · triple jump, cricket.

SKILLS & CERTIFICATIONS

Programming: Java · TypeScript · Node.js · Python (in progress)

AI: Claude Code · Codex · Snowflake Cortex · ElevenLabs

Data & Software: Power BI · Excel (Financial Modelling) · Microsoft Suite · G Suite · Canva · Video Editing

Languages: English · Tamil

Certifications: Government of Canada Reliability Security Clearance (2025) · Bronze Medallion: CPR, Lifesaving & Swimming (2026)