Ayyan Hashmi

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Education

White Oaks Secondary School — Oakville, ON
High School Diploma (Expected 2028)

Spirit of Math — 2020 – 2026
Advanced Mathematics Club

Experience

Autonomous Programming Team — 2025 – 2026
VEX V5 Robotics Club, White Oaks Secondary School — *Oakville, ON*

- Programmed autonomous routes for a competitive VEX V5 robot and helped develop a custom autonomous library for reusable movement routines.
- Our team won Ontario Skills and Halton Skills competitions.
- The robotics club ranked 62nd among 2,400 globally and secured $30K in sponsorships.

Vice President — 2026
Computer Science Club, White Oaks Secondary School — *Oakville, ON*

- Support club activities and help students explore programming and computer science.

Student Tutor — 2026
Learning Hub Academy

- Support students' learning by explaining concepts and helping them work through questions.

Projects

VEX V5 Auton Simulator | *VS Code Extension, TypeScript* — 2026

- Built a visual editor that reads movement commands from VEX C++ routines and plots their coordinates as draggable waypoints on a 144-by-144 field.
- Moving a waypoint updates the corresponding coordinates in the source file, making autonomous paths easier to test and revise.

Hourglass | *Electron, JavaScript* — 2026

- Built a desktop app where users set a time budget for each task, then track how much time they actually spend on it throughout the day.
- A browser companion switches to the matching hourglass on recognized sites; daily records let users review how their time was spent over weeks and months.

ArcLine Studios CRM | *Lead Management, Automation* — 2026

- Worked on a CRM for a web agency to organize leads and streamline daily outreach.
- Helped build tailored call scripts and a call workflow designed to reduce time between calls and support more revenue-generating conversations.

Achievements

1st Place, ONHacks | *Ontario High School Hackathon* — Nov 2026

- Won first place among 64 participants as part of a three-person team with Pimple, a macOS tutor built in Rust and TypeScript that sees the problem on your screen, explains it out loud, and draws the steps on top of it.

Technical Skills

Languages: Python, JavaScript, Java, C, HTML, CSS, SQL
Frameworks: React, Electron
AI: OpenAI
Cloud & Infrastructure: Microsoft Azure, Docker, Kubernetes
Tools & Databases: Linux, Git, GitHub, PostgreSQL