

Aayush Gupta

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EXPERIENCE

Ontario Basketball — Referee

2024 - PRESENT

- Helping out young kids of many ages play basketball in their community

Douvris Karate — Volunteer Sensei

2024 - PRESENT

- Learned how to teach kids different skills

Robotics — FRC 8729 Software member, Vex 50226 Driver, Software, and Mechanical Member

2024 - PRESENT

- Learned command-based robot code using Java and OOP
- Using computer vision through a Raspberry Pi
- Used PID tuning on the robot for accurate movements in the field
- Wired the full robot in the FRC spirit for team 10464
- Operator for FRC team 10464 and Driver for Vex 50226B

EDUCATION

Merivale High School — Pre-IB(International Baccalaureate)

2024 - PRESENT

- Member of many clubs such as the Math Club, CS Club, Cricket Club, Robotics Club, Business Club, Research Club, and Makerspace

PROJECTS

FRC 8729 - 2025 Code

- Created robot code in Java to build a robot from scratch to face the challenges of REEFSCAPE, the 2025 challenge

ISU - HTML, CSS, JavaScript

- ISU 1: Finds the volume and surface area of many shapes, including an ellipsoid, paraboloid, and hyperboloid
- ISU 2: Created a graphing tool which could graph more than 5 types of graphs
- ISU 3: Created a unique and advanced budget manager, interest calculator, 24/7 currency converter, and an AI stock suggestor

SKILLS

Code: Python, Java, JavaScript, CSS, and HTML

Tools: Chart.js, React.js, Node.js, and Next.js

AWARDS

BCC(Beaver Computing Challenge) 2024 - 100% Distinction

FRC Gracious Professionalism - 2025 Durham College Event

Community of Character - Steve Maclean Public School award winner 2024

Sportsmanship Award -

Vex 2024-25 Ashbury College Event

Pre-IB Silver Medalist -

Achieved a 90+ average in grade 9

LANGUAGES

English, Hindi, French, and Gujarati