

# Jinay Desai

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## EDUCATION

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**Turner Fenton SS | Brampton ON**

**IB DP Diploma, OSSD | Top 6 Avg: 97.5**

**May 2025**

**Relevant IB Courses:** AA HL Math, HL Chemistry, SL Physics

## TECHNICAL SKILLS

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**Programming Languages:** Java (Advanced), Python (Advanced), C (Intermediate), React (Intermediate), HTML/CSS (Advanced), Flask (Intermediate)

**Operating Systems:** Mac OS, Linux

## PROJECTS

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**FreshVision | Ignition Hacks Project**

**August 2023**

- Collaborated with a team of 4 and developed a fully functional web application AI powered application that **reduces household food waste**. Using an image sensor, placed in household fruit/vegetable compartments in fridges. Using real-time data and **convolutional neural networks**, it was able to send a notification when food came near to being rotten.
- Designed front end with **React.js, CSS, HTML** and deployed with **Vercel**
- **Back-end** AI model designed with **Python, Tensorflow** and **Flask** as well as **SQL** database
- Awarded the Most Creative Award

**HopeLink | ANGELHACKS PROJECT**

**May 2023**

- Created a mini-game in **C#** for Xbox with immersive music and sound effects as well as designed the user interface using **Figma**
- Generated a random map based on a 2D array with multiple pages for the user to traverse on their west

## PROFESSIONAL EXPERIENCE

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**Robotics Team Captain | Turner Fenton Secondary School | Brampton, ON**

**Jun 2023 - PRESENT**

- After being a part of my school's robotics team for the past 3 years, I have been selected as the 2024-2025 Robotics Team Captain
  - Currently competing in high school level VEX
- Managing a team of 7 Executives, and 15 members, all selected exclusively from a pool of over 100 candidates

**International Finalist | HOSA Canada | Creative Problem Solving**

**Sep 2022 - June 2023**

- Represented Team Canada in HOSA at ILC 2023 in Dallas, TX. Out of a pool of over 5000 competitors, selected among the top 200 to compete internationally. During the conference, my team placed 10th globally.
- The event tested critical thinking skills with a case study to improve the current medical job crisis combined with a multiple choice exam on critical thinking

## LEADERSHIP EXPERIENCE

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**Corporate Relations Director | SPARK HACKS | Brampton, ON**

**Apr 2024 - Present**

- Raised over \$10000 in sponsorships for SPARK HACKS, hackathon and to further youth STEAM interest within the Peel Region
- Develop and executed the marketing strategy through social media, design, and in-person campaigns which fostered 1500+ registrations