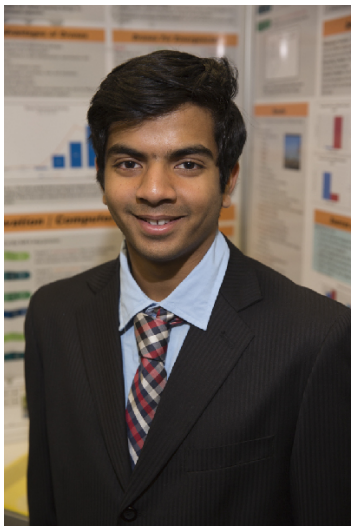
CWSF 2016 - Montreal, Quebec



Dhvani Patel

SMART Drone Technology

Challenge: Innovation
Category: Intermediate
Region: Wood Buffalo
City: Fort McMurray, AB
School: Westwood Community High School
Abstract: I developed a drone that is smarter than our current technology and which can be useful during disaster zones. My drone can perform the following tasks without additional costs: detect human bodies, detect and track human faces, take input speech and recognize, recognize text from images, detect traffic signs, recognize sign language and hand gestures, detect and track vehicles,and detect and track any object.

Biography

My name is Dhvani Patel and I am a grade 10 student from Westwood Community High School located in Fort McMurray, Alberta.One of my favourite things to do, and also my strength is coding. My favourite subjects are science (mostly physics and computer science) and math. My hobbies include designing websites and programming apps. I simply love technology and I recently ranked 2nd in Canada for the Canadian Computing Competition. I have also been on the robotics team for 4 years now and I was the lead programmer for our team during the FLL Razorback World Championship Tournament. I certainly plan on pursuing science in my future studies. Being a part of MACOY (Mayor's Advisory Council on Youth), along with my 8 years of soccer, has taught me that everyone has strengths that if combined, can accomplish anything.