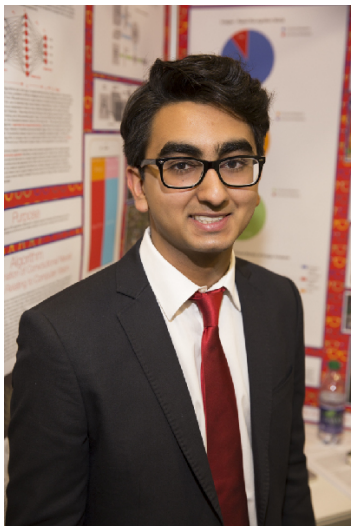
CWSF 2016 - Montreal, Quebec



Anmol Tukrel

iDentifi: Using Computer Vision to Help Visually Impaired Individuals

Challenge: Innovation
Category: Senior
Region: York
City: Markham, ON
School: Holy Trinity School
Abstract: An iOS application, called "iDentifi" uses computer vision to identify objects and text for visually impaired individuals. This functionality is available in 27 languages and processes images within seconds. Furthermore, this technology has significant applications in helping visually impaired individuals navigate through city streets as well as in advertising, surveillance, automating described video and services for immigrants.

Biography
Anmol Tukrel is a student at Holy Trinity School in Toronto. His project involves using Artificial Intelligence to help visually impaired individuals. He plans on presenting his findings to the Canadian National Institute for the Blind and subsequently forming a non-profit organization to distribute this technology for free to any visually impaired individuals who wish to use it. If there was any advice he could give to other students doing a project, it would be that the only thing needed to create something innovative is curiosity.

Awards	Value
University of Ottawa Undergraduate Research Scholarship Award Senior Sponsor: University of Ottawa, Faculty of Science	$10 000
Excellence Award - Senior - Silver Medal Sponsor: Youth Science Canada	
Dalhousie University Faculty of Science Entrance Scholarship Senior Silver Medallist - $2500 Entrance Scholarship Sponsor: Dalhousie University, Faculty of Science	$2 500
UBC Science (Vancouver) Entrance Award Senior Silver Medallist - $2000 Entrance Scholarship Sponsor: The University of British Columbia (Vancouver)	$2 000
University of Ottawa Entrance Scholarship Senior Silver Medallist - $2000 Entrance Scholarship Sponsor: University of Ottawa	$2 000
Western University Scholarship Silver Medallist - $2000 Entrance Scholarship Sponsor: Western University	$2 000
Total	$18 500