



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



