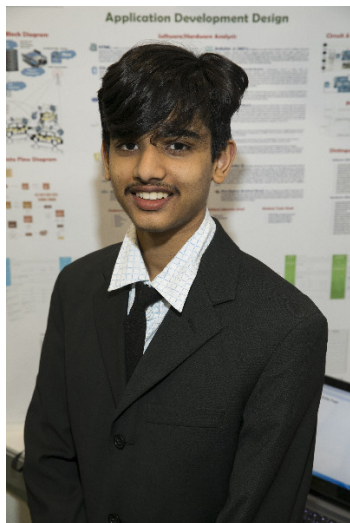## Om Agarwal

Automotive Collision Detection Network

Challenge: Information
Category: Intermediate
Region: Halifax
City: Halifax, NS
School: Oxford School

Abstract: This project is a centralized system which can detect automotive vehicle accidents in significantly real time, allowing 911 to rush the needed support, providing the optimum solution for detecting such collisions in the most feasible way. Being a reliable and cost-efficient network, it has the potential to save thousands of lives, along with significantly decreasing the amount fake insurance claims, and hit-and-run cases.

Biography

I'm a high-school student in Grade 9 Halifax, NS, Canada, actively embracing STEM, an interdisciplinary and applied learning approach. I am skilled at numerous technical competencies (Front-End & Server-Side Web/Application Development + Embedded Systems Programming) required to architect/design software & hardware based projects, gained after thorough learning and practical use resulting in successful projects. It's my deeply embedded passion to excel in what I do, and at this point my main goal in life is to be an unpretentious, helping, and experienced individual, utilizing my project management skills to spark change in the society (aided through my passion of community service) while further pursuing my interests in this domain. Not only do I have extensive interpersonal skills, developed through formal socialization & public speaking, but I also have an undeprivable passion for STEM, and goal oriented demeanor, driven by perseverance, and a strong/respectable work ethic, along with my ability to adapt to challenging situations with a growth mindset. With my personable character, I ultimately want to work in a way that is helpful to the society, envisioning myself pursuing a career in computer/engineering sciences, applying research and innovation with a business approac...

Awards	Value
The Actuarial Foundation of Canada Award - Intermediate Sponsor: The Actuarial Foundation of Canada	$750
Excellence Award - Intermediate - Bronze Medal Sponsor: Youth Science Canada	
Challenge Award - Information - Intermediate Sponsor: Youth Science Canada	
Western University Scholarship Bronze Medallist - $1000 Entrance Scholarship Sponsor: Western University	$1 000
Total	$1 750