CWSF 2018 - Ottawa, Ontario

Om Agarwal

The Computerized Comprehension for a Curable Cancer

Challenge: Information
Category: Intermediate
Region: Halifax
City: Halifax, NS
School: Citadel High School
Abstract: This Project is a Machine Learning/A.I. Based Early Tumor Malignancy Analysis Neural Network Apparatus, Aiming to Improve the Diagnostic Potency of the [Minimally Invasive] Fine Needle Aspiration Procedure for Pancreatic Cancer by Using a Series Of Intuitive Algorithms to Optimize its Diagnostic Logistical Perception & Minimize the Pathological Error in the Evaluation of Patients' Clinical Prognostic Factors Posed by the Inadequate Standard of Manual Parameterization.

Biography

Om is a high-school student in Grade 10 Halifax, NS, Canada, actively embracing STEM, an interdisciplinary and applied learning approach. He is skilled at numerous technical competencies required to architect/design software & hardware based projects, gained after thorough learning and practical use resulting in successful projects. It's Om's deeply embedded passion to excel in what he does, and at this point his main goal in life is to be an unpretentious, helping, and experienced individual, utilizing his project management skills to spark change in the society (aided through his passion of community service) while further pursuing his interests in the field. Not only does Om have extensive interpersonal skills, developed through formal socialization & public speaking, but he also has an undeprivable passion for STEM and goal oriented demeanor, driven by perseverance, and a strong/respectable work ethic, along with his ability to adapt to challenging situations with a growth mindset. With his personable character, Om ultimately wants to work in a way that is helpful to the society, envisioning himself pursuing a career in computer/engineering sciences applying research and innovation with an entrepreneurship approach to do his part in bettering the world.

Awards	Value
Excellence Award - Intermediate - Bronze Medal Sponsor: Youth Science Canada	
Western University Scholarship Bronze Medallist - $1000 Entrance Scholarship Sponsor: Western University	$1 000
Total	$1 000

Youth Science Canada
PO Box 297
Pickering ON L1V 2R4
www.youthscience.ca / info@youthscience.ca
416-341-0040