

Rishi Shah

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EDUCATION

London Central Secondary School, London, ON, Canada

September 2021 - Present

- 96% average with Honor Roll

White Oaks Public School, London, ON, Canada

September 2018 – June 2021

- Math Award, French Award

EXPERIENCE

3D Forge: Founder and CEO

May 2024 – Present

- 3D modelling and printing company for croc accessories
- Won the Summer Company Award Grant from Ontario Government

Hack49 Global: Co-founder

May 2024 – Present

- Led a team to organize a large-scale virtual hackathon, fostering a global community of innovators
- Implementing marketing strategies to increase visibility and reach

Robarts Research Institute: Student Researcher

November 2022 – May 2024

- Developed machine learning, virtual and augmented reality skills.
- Created projects based on medical artificial intelligence.

SHAD Alumni:

2023

- Went to University of New Brunswick for SHAD
- Honored to be part of the SHAD alumni network

PROJECTS

From Pixels to Precision:

2023

Awards won: National Bronze; Divisional Gold; Sanofi Biogenius Award

- Designed a neural network that effectively segments surgical tools from a video of a minimally invasive surgery performed in the brain.
- Coded through Python, Keras, and MATLAB

Piezoelectric Wind Machine:

2022

Awards won: Divisional Silver; Research Western Imagination Prize

- Created an alternative to windmills as windmills hurt nearby habitats
- Used tree vibrations to create electricity via piezoelectric sensors

The Effect of Turning Your Cameras Off on the Environment:

2021

Awards won: Divisional Gold; Beckett Smith Memorial Bit by Bit Camp Technology Award

- Investigated if turning a camera off on a virtual meeting would have any impact on the environment

DOPD – Drug Overdose Prevention Device:

2020

Awards won: Divisional Silver; Rotary Club International; Discovery Western Summer Camp

- Created a machine coded by Arduino that lowers the number of opioid overdoses happening every year
- Machine would let doctors change how frequently a pill dispenses and the quantity of the pills
- 3 separate containers for 3 different pills which dispense at different times

COMMUNITY SERVICE

Junior Achievement Company Program: VP of HR/VP of Finance/President

November 2021 – Apr 2024

- Started as the VP of HR for my first year and recorded attendance
- Was the VP of Finance for my second year and managed the financials for our company
- Currently, the president of our company and lead the company and manage all operations

DECA Chapter lead: Vice President of my chapter

September 2023 – Apr 2024

- Designed executive team's structure
- Taught other students how to prepare for DECA competitions

London Rotary Club/Interact Club: Vice President

September 2019 – 2023

- Ran fundraisers in association with charitable organizations

Programming: Java, Python, C#, Pytorch, Keras, OpenCV, Pandas, Arduino

Technology: Sketchup, Blender, CURA, Unity, MS Office, Git/GitHub, Fusion 360

Languages: Fluent in English, Gujarati, and Hindi