

# Rahul Tarak

SOFTWARE ENGINEER · FULL STACK WEB DEVELOPER

Toronto, Canada | Bangalore, India

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## Education

### University of Toronto

HONOURS B.S. IN COMPUTER SCIENCE

Dean's list 2020-21

Toronto, Ontario

Aug. 2019 - May. 2023

## Work Experience

### MLH Fellowship

MLH FELLOW, FALL 2020

- Contributing to Various TS/JS open source projects

Remote

September 2020 - Current

### Varsity Publications

BACKEND WEB DEVELOPER

- Maintaining and Developing All of The Varsity's online presence. Primarily handling [thevaristy.ca](https://thevaristy.ca) with over 80,000 monthly visitor
- Technologies Used:** PHP, MySQL, JavaScript, TypeScript

Toronto, Ontario

June 2020 - Current

### Mozilla Builders

BUILDER, FIX THE-INTERNET SPRING OPEN LAB

- Created a [Twitter Bot](#) that factchecks information on Twitter by findings its source.
- Technologies Used:** Node.js, MongoDB, Python, NLP, Docker, Jest

Remote

April 2020 - June 2020

### Visa Inc.

SOFTWARE ENGINEERING INTERN

- Developed a solution to withdraw money from ATM using NFC on your phone
- Languages used:** Java(Android), Node.js, MySQL

Bangalore, India

Feb. 2018 - Jul 2018

### Cisco Systems, Inc.

SOFTWARE ENGINEERING INTERN(TALENT OUTREACH PROGRAM)

- Lead a team of five students to build a peer to peer book sharing platform, which was built under the supervision and mentorship of Cisco.
- Languages used:** Node.js, Express.js, Angular.js, MySQL

Bangalore, India

Jul. 2017 - Feb. 2018

## Projects

### MODFY: A Web Assembly Based Video Transcoder

FULL STACK ENGINEER | LAUNCHED AT MOZILLA'S SUMMER OPEN LAB

- Building a [video toolkit](#) on the browser using web assembly, to ensure privacy for users
- Users can transcode, compress, trim and cut video without uploading content or downloading software
- Over 250 upvotes on Product Hunt, Frontpage Hackernews**
- Technologies used:** Typescript, React, Web Assembly

[modify.video](#)

June 2020 - Current

### Investigating The Vertical Ozone Profile(Research Paper)

AUTHOR, COLLABORATION WITH THE INDIAN INSTITUTE OF ASTROPHYSICS

- Collected Ozone Data in Bangalore using a custom payload from 12-30 kms, Analyzed this data from 18 hours of flight
- Built a real time, embedded circuit in C, to collect data, and tested circuit for rigorous temperatures of - 80 ° C
- Technologies used:** C, Python, Matlab

Published Paper

Bangalore, India | Feb. 2018 - Feb. 2019

### Oak Codefest, Oakridge Int School

FOUNDER & ORGANIZER AT 2018-2019

- Created Bangalore's First Overnight Highschool hackathon
- Hackathon conducted in 2018, 2019, 2020 with over 100 teams
- Collaborated with IBM, Cisco, HGS, Digital Ocean, Y4PT and Many more.

[Codefest.oakridge.in](#)

Bangalore, India | Aug. 2017 - Feb 2019

## Technical Skills

<b>Languages</b>	Javascript ,Typescript ,Python, C, C++, Java, PHP , SQL ,MongoDb , HTML, CSS , Bash
<b>Frameworks</b>	Node, Express, Angular.js , Svelte, React, Jest, Flask, MySQL , .NET
<b>Other</b>	Git, Linux, Google Cloud, Docker, Circleci , Netlify , Aws , Jupyter , Matplotlib , Numpy , Arduino , Raspberry Pi