Rahul **Tarak**

SOFTWARE ENGINEER · FULL STACK WEB DEVELOPER

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Education

University of Toronto   *Toronto, Ontario*
HONOURS B.S. IN COMPUTER SCIENCE   *Aug. 2019 - May. 2023*
Dean's list 2020-21

Work Experience

Modfy: **A Web Assembly Based Video Transcoder**   *Remote*
FOUNDER & CHIEF EXECUTIVE OFFICER   *October 2020- Current*
- Modfy is Figma for video - a browser-based video tool that converts and compresses your videos without uploading your files anywhere.
- Backed by **Pioneer.app** (Daniel Gross) and part of **Devfolio's** Build India Fellowship First Cohort
- **Over 250 upvotes on Product Hunt** and **on Frontpage Hackernews**

MLH **Fellowship with AWS Amplify**   *Remote*
MLH FELLOW, FALL 2020   *September 2020 - December 2020*
- Contributing to AWS Amplify under the mentorship of MLH
- **Technologies Used: Aws Amplify, TypeScript, Git**

Varsity **Publications**   *Toronto, Ontario*
BACKEND WEB DEVELOPER   *June 2020 - December 2020*
- Maintaining and Developing All of The Varsity's online presence. Primarily handling thevaristy.ca with over 80,000 monthly visitor
- **Technologies Used: PHP, MySQL, JavaScript, TypeScript**

Mozilla **Builders**   *Remote*
BUILDER, FIX THE-INTERNET SPRING OPEN LAB   *April 2020 - June 2020*
- Created a Twitter Bot that factchecks information on Twitter by findings its source.
- **Technologies Used: Node.js, MongoDB, Python, NLP, Docker, Jest**

Cisco **Systems, Inc.**   *Bangalore,India*
SOFTWARE ENGINEERING INTERN(TALENT OUTREACH PROGRAM)   *Jul. 2017 - Feb. 2018*
- 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**

Products and Other Projects

Socialify: **Github Social Previews as a Service**   *socialify.git.ci*
MLH FELLOWSHIP HACKATHON WINNER
- A super easy way to generate github social preview images as a service with self updating badges.
- **800+ stars on GitHub**
- **Technologies used: Typescript, Next**

Investigating The Vertical **Ozone Profile(Research Paper)**   *Published 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**

Oak Codefest, **Oakridge Int School**   *codefest.oakridge.in*
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.

Technical Skills

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