

# 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

- Got an entrance scholarship of \$6000

Toronto, Ontario

Aug. 2019 - May. 2023

## Work Experience

### Mozilla

BUILDER, FIX THE-INTERNET SPRING OPEN LAB

- Creating and deploying a source verification twitter bot in 8 weeks
- **Technologies Used: Node.js, IPFS, Orbit DB, NLP**

Remote

April 2020 - Current

### Spark A Change

CO-FOUNDER

- Managed a Student Run, Non Profit Organisation for over five year, with twenty plus members
- Conducted fundraisers to generate over \$10,000 for various causes

Bangalore, India

Dec. 2014 - Jul 2019

### Visa Inc.

SOFTWARE DEVELOPMENT INTERN

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

### Cisco Systems, Inc.

SOFTWARE DEVELOPMENT INTERN

- 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

Feb. 2018 - Jul 2018

Bangalore, India

Jul. 2017 - Feb. 2018

## Projects

### 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
- Built a real time, embedded circuit in C, to collect data, and tested circuit for rigorous temperatures of - 80 ° C
- Compiled and Analyzed the data from 18 hours of flight
- **Languages 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

## Honors & Awards

- |      |   |                  |
|------|---|------------------|
| 2019 | <b>First Place</b> , Sys Hacks                              | Bangalore, India |
| 2018 | <b>Best Project Idea</b> , Innventure Changemaker Challenge | Bangalore, India |
| 2018 | <b>First Place</b> , Vivum Hackathon                        | Bangalore, India |
| 2018 | <b>First Place</b> , Random Hacks of Kindness               | Bangalore, India |
| 2018 | <b>Second Place</b> , PES University - Amateur Scientist    | Bangalore, India |
| 2018 | <b>Second Place</b> , Stonehill Hackathon                   | Bangalore, India |

## Technical Skills

- |                   |   |
|-------------------|---|
| <b>Languages</b>  | Javascript, Python, C, C++, Java, PHP, SQL, HTML, CSS, Bash                             |
| <b>Frameworks</b> | Node, Express, Angular, Flask, MySQL, .NET  |
| <b>Other</b>      | Git, Linux, Google Cloud, Aws, Jupyter, Matplotlib, Numpy, Keras, Arduino, Raspberry Pi |