

# Chaitanya Rahalkar

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“Be the change that you want to see in the world.”

## Work Experience

### Persistent Systems Ltd.

Pune, India

PROJECT INTERN

Jun. 2019 - Current

- Working on End-to-End Lung Cancer Screening with Chest Computed Tomography Scans using CNNs and XAI under the guidance of Dr. Bhushan Garware. The project aims to outperform the current state of the art results.

### Quick Heal

Pune, India

PROJECT INTERN

July. 2019 - Current

- Working on a Zero trust security framework model that allows corporate employees to work securely from any location eliminating the need of VPNs.

### Pune Institute of Computer Technology

Pune, India

RESEARCH INTERN

May. 2019 - September. 2019

- Working on study of side-channel attacks that target virtualisation level (the lowest level of the software stack), where the attacker intends to exploit private information from the set of target virtual machines running on the cloud platform.

### M.V.P.R Solutions

Pune, India

INTERN

Jan. 2019 - July. 2019

- Worked on a bank reconciliation project. Designed and deployed Oracle database on a VPS. Developed a backend system using Django framework for the administration panel, that reconciles transaction records of the bank and transaction history of its customers. Used data analytics to provide a statistical overview of the reconciled records.

### Indian Institute of Science

Bangalore, India

SUMMER SCHOOL CANDIDATE

July. 2019

- Selected among top 80 candidates from all over India to be part of the Computer Science and Automation Summer School 2019 at Indian Institute of Sciences for learning cutting edge technologies and exploring research areas in Computer Science.

## Projects

### Frost OS

A LINUX BASED OPERATING SYSTEM

- Frost OS is a Linux based operating system. More specifically, it is based on Arch Linux. Frost OS is currently in early stages of development and is being tested continuously.
- Frost OS is designed specifically for engineers and developers everywhere. It comes prebundled with software tools and packages which are prominent among developers everywhere. It's just ready to use out of the box.
- It has a huge list of rich software created by the FOSS community.
- Frost OS has powerful customisation options. You can build the entire system from scratch, choosing from the millions of packages on the Pacman store of repositories. From choosing your bootloader to the desktop environment and softwares, Frost OS is completely in your hands.

### Password Manager

A SECURE PASSWORD VAULT.

- A Password Manager in Electron Framework. A highly secured and reliable password manager that ensures that the data doesn't leave your device.

### WebTTY

SECURE TUNNELING TO LOCALHOST

Created a swiss army knife tool that implements the following functionalities:

Share your terminal as a web application.

- Secure introspectable tunnels to localhost useful to share web applications to remote developers.
- Share services running on localhost, eliminating the hassle of setting up network port forwarding, DNS and static IP addresses.

## Honors & Awards

### DOMESTIC

- 2019 **Finalist**, ACM Pune Chapter Hackathon
- 2018 **Winner**, ACM Pune Chapter Hackathon
- 2017 **Winner**, MIT Tesla's Googler (Technology Quizzing Event)
- 2017 **Finalist**, MindSpark's Googler (Technology Quizzing Event)
- 2017 **Finalist**, National Coding Competition

Pune, India  
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## Presentations and Seminars

### MindSpark, College of Engineering, Pune

Pune, India

PRESENTER OF <ETHICS AND PRIVACY>

Nov. 2017

- Introduced the concept of ethics and privacy and how important are they in the field of computer science.
- Conducted a survey to support my statistical claims

### Pune Institute of Computer Technology

Pune, India

PRESENTER OF CONTENT ADDRESSED PEER-TO-PEER FILE SYSTEM USING BLOCKCHAIN BASED METADATA INTEGRITY

Jul. 2018

- Conducted a seminar and presented a paper on Content Addressed Peer-to-Peer file system that uses Blockchain technology's integrity feature to maintain metadata.

## Writing

CONTENT WRITER

- Write blogs and articles on topics related to cybersecurity on my personal blog page

## Program Committees

- 2018 **Organizer & Creator**, Capture the Flag (Cybersecurity Competition), Impetus & Concepts, Pune Institute of Computer Technology

India

- 2017-2019 **Programming Head & Team Leader**, Credenz, Pune Institute of Computer Technology IEEE Student Branch

India

## Education

### Savitribai Phule Pune University

Pune, India

B.E. IN COMPUTER SCIENCE AND ENGINEERING

August. 2016 - Aug. 2020

- Final year undergraduate (GPA: 9.6/10)

### Maharashtra HSC Board

Pune, India

HIGHER SECONDARY SCHOOL WITH COMPUTER SCIENCE BIFOCAL COURSE

June. 2014 - March. 2016

- Percentage: 90
- Highest marks in Mathematics. (100/100)
- Highest marks in Chemistry. (95/100)
- Secured 173/200 in the Common Entrance Test for graduate admissions.

## Extracurricular Activity

### Pictoreal - PICT Annual Magazine

Pune, India

EDITOR

2018-2019

- Overseeing all the content of the magazine
- Content Curation
- Leading the editing team
- Brainstorming content ideas

### Niwant Andh Mukta Vikasalaya

Pune, India

ASSISTANT

2019

- Writing exams for visually challenged students pursuing higher education.

### Google Developers

DEVELOPER

- Developed a Google Assistant app - Mr. Quizzo which is a chatbot that tests your computer science skills.

### Pictosocial

Pune, India

ASSISTANT

2018

- Working as a member of Pune Institute Of Computer Technology's social service group.