

# Kshitij Chitnis



## Education

**B.E. in Information Technology** Savitribai Phule Pune University

2018 - 2022

## Work Experience

**Newton's Apple Pune** *Pentester & Security Analyst*

2020 - Present

**Muellners Foundation** *Research Fellow*

2020

## Projects

**system-z**

2021

A CLI Application written in NodeJS that displays system information like CPU model, CPU Architecture, OS, uptime etc.

**certificate-generator**

2020

A Bash script to auto generate certificates given a template and list of names.

**LearnSpace**

2020 - 2021

An application that is aimed at helping the students and teachers with online learning during the pandemic. LearnSpace allows teachers to create and manage courses, share study material and assignments, create tests and track student performance.

**crispy-player**

2021 - 2022

A video player that performs video super resolution in realtime made with ReactJS & ElectronJS

## Extracurricular activities

**TEDx PVGCOET** *Media & Communications Head*

2019 - 2021

**TEDx Kothrud** *Media & Production*

2020

**Google Developer Student Club PVGCOET** *Design & Production Head*

2020 - 2021

**Guinness World Record** *Longest human chain underwater*

2016

## Publications and Blogs

**Blog**

**CTF-WriteUps**

**Role of smart contracts in secure software development**

## Skills

**Programming Languages:** C, C++, Python, JavaScript, Go, Rust

**Development Frameworks:** NodeJS, ReactJS, ElectronJS, NextJS, Flutter, Svelte, ChakraUI, MaterialUI, ThreeJS, P5JS

**Binary Exploitation:** Buffer overflow to ROP chains on x64 to ARM

**Platforms and tools:** Linux, Windows, Ghidra, GDB GEF, IDA, BurpSuite, Metasploit, pwntools

**Languages:** English, Hindi, Marathi, German, Japanese, Russian

## Extras

**Design Portfolio**

**Discography**