

## WORK EXPERIENCE

### Hackerone / Bugcrowd / Initgriti

BugBounty

📅 Aug 2020 – ongoing 📍 Independent/Remote

- Reported bugs to several Fortune 500 companies.
- Focusing mostly on Web and Mobile application related vulnerabilities.
- Hall of Fame in companies like GitHub, PayPal, US Department of Defense, DELL, Atlassian, Zynga etc

### The Honeynet Project

🐙 Code

Developer

📅 May 2020 – August 2020 📍 Google Summer of Code

- Made improvement in a high interaction honeypot (Snare/Tanner)
- Added support for persistent storage using PostgreSQL and SQLAlchemy
- Improved the API functionality based on the new database structure
- Improved cloning functionality using Selenium/Chrome headless browser

### MetaBrainz Foundation

Mentor

📅 Dec 2019 – Jan 2020 📍 Google Code-In

- Mentored students from all over the globe on various python projects under the MetaBrainz Foundation.

### Vulnhub / TryHackMe

Content Creator

📅 Aug 2019 – March 2020 📍 Independent/Remote

- Created various CaptureTheFlag (CTF) challenges for TryHackme.com that teaches about Web related vulnerability like XXE, XSS, JWT etc
- Created a bunch of potential Vulnerable machines for VulnHub.com
- Beta tested various vulnerable virtual machines like TempusFugit series, DC8 for vulnhub.com.

### XBMC Foundation

🐙 Code

Developer

📅 May 2018 – Aug 2018 📍 Google Summer of Code

- Worked on an Open source project under a student program by Google. Developed a tool for performing static code analysis on all addons for Kodi.

## PROJECTS

#### • slicer

🐙 Code

A tool that helps in automating the reconnaissance process of Android Package (APK) file. It can show vulnerable activities, receivers and services.

#### • liffy

🐙 Code

A tool to automate the process of discovering and exploiting Local file inclusion attack

#### • gtfo

🐙 Code

A tool to help you search exploits for various Linux and Windows binaries which can then be used to escalate privileges

#### • cowrie

🐙 Code

Added support for plugins like DNS reverse lookup, greynoise etc. into SSH, FTP, Telnet based high interaction honeypot.

## ACHIEVEMENTS



Selected in **Google Summer Of Code** 2018 and 2020, among thousands of applicants from 67 different countries



Certified **Junior Penetration tester** by eLearnSecurity's (2020)

## EDUCATION

### Inderprastha Engineering College



Jul'17 - ongoing

🎓 **B.Tech - Computer Science**

8.0/10

## FAMILIAR WITH

C++ Python goLang SQL  
PostgreSQL Git  
Burp Suite Metasploit Zap Proxy  
Rest APIs HTML/CSS

## EXTRA CURRICULARS / POR

- **Cubing:** Can solve a 3x3 Rubik's cube in under 20 seconds
- An avid player of bullet and blitz **Chess**
- Playing **CaptureTheFlag** events with Team OpenToAll
- Pentest vulnerable virtual machines on platforms like TryHackMe, HackTheBox, Vulnhub

## LINKS

- Blog: <https://blog.mzfr.me/>
- HackerOne Profile: <https://hackerone.com/mzfr>
- Bugcrowd Profile: <https://bugcrowd.com/mzfr>
- CTF Writeups: <https://github.com/mzfr/ctf-writeups>
- HackTheBox Walkthroughs: <https://blog.mzfr.me/htb/>