

## PROFESSIONAL EXPERIENCE

### Hackerone / Bugcrowd / Intigriti

BugBounty

📅 Aug 2020 – ongoing 📍 Independent/Remote

- Hall of Fame in companies like GitHub, PayPal, US Department of Defense, DELL, Atlassian, Zynga.
- I focus mostly on Web and Mobile application related vulnerabilities.
- **BugCrowd**: <https://bugcrowd.com/mzfr>
- **HackerOne**: <https://hackerone.com/mzfr>

### The HoneyNet Project

🔗 Code

Developer

📅 May 2020 – August 2020 📍 Google Summer of Code

- Made improvement in speed and functionality of 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.

### 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.
- 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

- Wrote this tool to automate the bug hunting process on Android applications(APK).
- It can find possible vulnerable activities, receivers and services.

### • liffy

🔗 Code

- Wrote this tool to automate the process of discovering and exploiting Local file inclusion attack.
- Once exploited, it can also generate & provide reverse shell.

### • takeover

🔗 Code

- Made a CLI tool to check subdomain takeover possibilities at a mass scale.
- Given output of amass/subfinder this tool can check if any of the subdomain is vulnerable to subdomain takeover.

## ACHIEVEMENTS



Offensive Security Certified Professional(OSCP) by Offensive Security



Google Summer Of Code - 2018, 2020



Certified Penetration tester by eLearnSecurity (eJPT)

## EDUCATION

### Inderprastha Engineering College

📅 Jul'17 - Aug'21

🎓 B.Tech - Computer Science

## SKILLS

### Programming

Python C++ golang

### Tools/Tech

Burp Suite Metasploit Zap Proxy  
Docker WireShark

### Misc

SQL PostgreSQL Git

## EXTRA CURRICULARS

- Participating in CaptureTheFlag competitions with Team OpenToAll.

- Pentest vulnerable virtual machines on platforms like TryHackMe, HackTheBox, Vulnhub.

- Writing technical blog posts on security & development related topics.

- Writing walkthroughs for boot2root machines of HackTheBox & Vulnhub.