

# Mehtab Zafar

mzfr.github.io

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## EDUCATION

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- **Inderprastha Engineering College** Sahibabad  
*Bachelor of Technology in Computer Science* Jul. 2017 – Present

## CERTIFICATION

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- **eLearnSecurity Junior Penetration Tester** eLearnSecurity  
*Junior Penetration Tester.* Jan 2019

## WORK

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- **The Honeynet Project** Google Summer of Code  
*Student developer* May 2020 – present
    - **Snare and Tanner** is a pair of high interaction honeypot.
    - Added the support for persistent storage with PostgreSQL. Also updated the cloning functionality using selenium chrome headless browser.
  - **MetaBrainz Foundation** Google Code-In  
*Mentor* Dec 2019 – Jan 2020
    - **Google Code-In** is a global, online contest introducing teenagers to the world of open source.
    - I mentored those student for various python projects under MetaBrainz Foundation.
  - **Vulnhub and TryHackMe** August 2019 – present  
*Content Creator and Beta Tester*
    - Beta tested various vulnerable virtual machines like TempusFugit series, DC8 for vulnhub.com.
    - Created various CaptureTheFlag(CTF) challenges for TryHackme.com
    - These machines are used to give practical knowledge of red teaming.
  - **XBMC foundation** Google Summer of code  
*Student Developer* May 2018 – Aug 2018
    - **Addon-check** is an open source tool for performing static code analysis on Kodi's addon.
    - Added functionalities to perform static code analysis. Also improved it's code coverage and terminal UI.
  - **Google Code-In** Dec 2015 – Feb 2016  
*Student Developer*
    - Fixed multiple open source issues from MetaBrainz Foundation and Wikimedia Foundation.
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- ## PROJECTS
- **slicer** golang  
*Feb 2019 – June 2019*
    - A command line tool that helps in automating the reconnaissance process of Android Package(APK) file.
    - It can show the vulnerable activities, receivers and services in APK file.
  - **rsh** Python  
*Nov 2019 – Dec 2019*
    - A command line tool that helps you generate reverse shell payload in more than 10 languages for platforms like Linux and Windows.
  - **gtfo** Python  
*August 2019 – September 2019*
    - A command line tool to help you find ways to exploit various types of Linux and windows binaries.
  - **liffy** Python  
*May 2019 – Jun 2019*
    - A command line tool to automate the process of exploiting Local File Inclusion attack.

## COLLABORATOR

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- **Cowrie** *Jan 2019 – Present*
  - Worked on development of Cowrie, a SSH honeypot and extended output plugins support.
- **domained** *Jun 2019 – Present*
  - Worked on development and refacotrization of a domain enumeration tool and among top 3 maintainers.
- **Vault** *Dec 2018 – Present*
  - Added various vulnerability scanners to an automated Reconnaissance tool and one of the maintainer.

## SKILLS

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- **Languages** Python, goLang, bash, C/C++, JAVA, Javascript
- **Web** HTML, CSS, Flask
- **Others** git, L<sup>A</sup>T<sub>E</sub>X, docker, Jekyll

## HOBBIES

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- **CTF player** : Plays CaptureTheFlag competitions with team OpenToAll.
- **Pentest** vulnerable Virtual machines on platform like HackTheBox, Vulnhub and WizardSecLabs.