GAURAV PURSWANI

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OPEN SOURCE PROJECTS

Improving Post Exploitation API for Metasploit-Framework *(Google Summer of Code 2021)*

- Closing Feature gaps between Meterpreter, Shell and Powershell sessions.
- Fix localization Issues.
- Enhancements for Powershell sessions.

Add History Manager to Metasploit-Framework

- Track separate histories for Meterpreter, Pry and Msfconsole sub-shells.
- Limit the size of history files
- Handling unexpected interruptions occurring while switching consoles.

OTHER WORKS

Data Engineering Intern - Scientist Technologies (Oct 2021 - Present)
Building REST APIs using Flask and deploying and automating tasks on AWS.

Web Penetration Test for VVCE, Mysuru
I performed a web penetration test for Vidyavardhaka College of Engineering where I was able to compromise the root domain and all the sub-domains under it.

Network Penetration Test for VVCE, Mysuru
I performed a network penetration test for Vidyavardhaka College of Engineering where I was able to compromise various network devices like routers, switches, CCTV cameras, printers etc.

CTFs
I have been doing CTFs from around 1.5 years and have solved over 50 easy/medium machines and many challenges on various platforms like HackTheBox, Rootme.org and Vulnhub.

ACM Winter School
Attended a 7-day winter School on Cyber Security organized by ACM India at NISER, Bhubaneswar. It included many seminars on security topics like network security and cryptography from some of the best InfoSec professionals of India.

SKILLS

Languages	Ruby, C#, Python, C
Frameworks	Metasploit-Framework, Flask
Tools	Major Pen-testing Tools, Docker, Git, Powershell, Bash
Topics	REST API, Web Pen-testing, Network Pen-testing, System Privilege Escalation
Platforms	Linux, AWS
Soft Skills	Time Revolution, Teamwork, Communication, Problem Solving, Accountability

EDUCATION

B.E. Computer Science, Vidyavardhaka College, Mysuru India (**CGPA - 7.6**)	Aug 2018-2022
Higher Secondary School, Central Academy Kota, India	Apr 2016-2018
High School, S.S.D.E.C Kanpur Nagar, India	Apr 2015 - Mar 2016

VOLUNTEER WORK

Conducted various workshops on topics like Security and Open Source

- Linux and Pen-testing Tools, ACM Student Chapter, VVCE   - Sep 2019
- Pen-testing Workshop, Open Source Community, VVCE   - Sep 2019
- Workshop on Git and Open Source, Open Source Community, VVCE   - Oct 2020
- Excel and Elevate(Pentesting Workshop), Wing, VVCE   - Dec 2021

RECOMMENDATIONS

Spencer McIntyre, Lead Security Researcher at **Rapid7**(Metasploit-Framekwork)

"I had the pleasure of working with Purswani in the Summer of 2021 while he was a GSOC student working on the Metasploit project. During the months in which I mentored him, he made many contributions that furthered the project. His goals were related to normalizing the Post API which is no easy task and involved extensive testing across a variety of platforms while accounting for edge cases. I was impressed by his planning, organization, and communication throughout the entire process. Purswani would proactively reach out with questions and status updates which was very helpful. He was receptive to feedback and quickly grasped new concepts. I would be very happy to work with Purswani again and would recommend him to others in need of an organized engineer."