Avinash Sharma

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EXPERIENCE

HackTheBox
Since July 2023

HackTheBox - cyber security training ground, endorsed by industry leaders

- Demonstrated expertise as a Capture The Flag player on HackTheBox platform, achieving the rank of Hacker.
- Solved 30+ machines of easy to hard difficulty levels, with global indiviual ranking of 808 and global team ranking of 62
- Developed a strong understanding of various cyber security concepts, methodologies, and tools by solving challenging machines

CTF Administration and Development
Since April 2022

CTF dev - OSINT, Crypto, Steganography, Binary Exploitation, Reverse Engineering, Misc

- Developed custom CTF challenges for CTF competition, covering a range of cybersecurity domains, including binary exploitation, reverse engineering, stegnography, forensics and cryptography.
- Provided technical support and guidance to participants during the competition, addressing inquiries and assisting with challenge-related issues.

PROJECTS

PyVTFile - Python, API, Hashing, Encryption:
Jan 2023

- PyVTFile is an easy to use desktop application for detecting if a file is malicious or not.
- PyVTFile is capable of processing files up to 32 MB in size, accommodating a wide range of file types and sizes.
- The project supports various operating systems, including Windows, Linux, and MacOS , ensuring broad accessibility and usability across different computing environments.
- Project link: https://github.com/hailohydra/PyVTFile

CTF Development - Linux, Python, Stegno, Reverse, OSINT, Forensics:
Aug 2023

- Multiple CTF challenges ranging from intermediate to advance level
- Focused on promoting ethical hacking practices by organizing CTF events
- Operated platform (CTFd) that serves as an advanced security training ground, enabling individuals to enhance their cybersecurity skills

Port Scanners - Python, Bash, Sockets:
Jun 2022

- Simple ports scanners screated in python and bash (seperately) using socket
- Bash script for port scanning, demonstrating ability to automate repetitive tasks and integrate shell scripting
- leveraging sockets for network communication, enhancing understanding of TCP/IP protocols and network security assessment techniques
- Project link: https://github.com/hailohydra/PNPT-Live/tree/main/Homework

JAVira – Java, Crypto, Hashing:
Feb 2023

- JAVA Project to analyze a file and create logs along with other features.
- Project link: https://github.com/hailohydra/CSE-310_Java_CuppaCohee/tree/divergence/Project/JAVira
- Implemented API programming
- Utilised VirusTotal for Malware reports

CERTIFICATES

- Python OOP - Udemy. Aug 2021
    - Learnt OOPs concept with Python
    - Link: https://www.udemy.com/certificate/UC-c77e126b-d1a6-4e9b-8c34-c374d628f016/

- How to create and hack your own live server – MSTC Punjab Mar 2023
    - Learnt about servers and security
    - Link: https://certificate.givemycertificate.com/c/918ce92a-bdf6-4183-8cff-87574949eb52

- Complete Beginner Learning Path - TryHackMe Jun 2022
    - Learnt introductory Cybersecurity concepts
    - Link: https://tryhackme-certificates.s3-eu-west-1.amazonaws.com/THM-PVMYQJRC2N.png

SKILLS

- **Languages**: Python, SQL, C, C++, Powershell, Batch, Javascript, JAVA, Lua
- **Frameworks**: HTML and CSS, NodeJS, React
- **Tools/Platforms**: MySQL, MongoDB, Git, Neovim, VS Code, Postman
- **Soft Skills**: Problem-Solving Skills, Team Player, Project Management, Adaptability, Leadership

EDUCATION

- **Lovely Professional University** Punjab, India
Bachelor of Technology - Computer Science and Engineering *Since August 2021*

- **Kendriya Vidyalaya No.1 AFS Pune** Pune, Maharastra
*Intermediate; **Percentage: 89%*** *April 2019 - March 2021*

- **Kendriya Vidyalaya No.1 AFS Pune** Pune, Maharastra
*Matriculation; **Percentage: 95%*** *April 2017 - March 2018*