# Avinash Sharma

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# Experience

**Hack The Box July 2023 - Present**

*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 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 Apr 2023 - Present**

*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

**JAVira** *| JAVA, Crypto, Hashing* **Feb 2023**

* JAVA Project to analyze a file and create logs along with other features for malicious analysis
* Helps as a forensic tool for IR
* Github Repository Link: [github.com/hail0hydra/CSE310\_Java\_CuppaCohee/tree/divergence/Project/JAVira](https://github.com/hail0hydra/CSE310_Java_CuppaCohee/tree/divergence/Project/JAVirae)

**PyVTFile** *| Python, API, Hashing, Encryption* **Jan 2023**

* PyVTFile is an easy to use desktop application for detecting if a file is malicious or not
* Github Repository Link: <https://github.com/hail0hydra/pyVTFile>

# Certificates

* How to create and hack your own live server – MSTC Punjab Mar 2023
* Python OOP - Udemy. Aug 2021
* Complete Beginner Learning Path - TryHackMe Jun 2022

# Technical Skills

**Languages** : Python, SQL, C, C++, Powershell, Batch, Javascript, JAVA, Lu

**Developer Tools:** Git, Neovim, VS Code, Postman

**Cyber Security:** Linux Pentesting, Web/API Pentesting, Linux, Docker, Active Directory, GitHub,

JohnTheRipper, Hashcat, Nmap, Nikto, Burpsuite, Metasploit Framework, Wireshark, Nessus, Ghidra,

GDB, pwntools, ffuf, amass, gobuster, Ida Free, Peas-ng, OSINT, VAPT, Cryptography, Steganography,

Windows, WordPress

**Skills**: Data Structures and Algorithms, Problem-Solving, Responsive Web Design, Scripting in Python and JavaScript

# Education

**Lovely Professional University Punjab** **2020 – current**

*Computer Science and Engineering — Major in Cybersecurity Jalandhar, Punjab*

**Kendriya Vidyalaya No.1 AFS Pune** **2019 – 2020**

*12th with Science — Percentage: 89.0% Pune, Maharastra*

**Kendriya Vidyalaya No.1 AFS Pune** **2017 – 2018**

*10th with Science — CGPA: 10 Pune, Maharastra*