VIVEK MISHRA

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EDUCATION

Bachelor of Engineering in Cyber Security, Mumbai University
currently studing in 3rd year 6 SEM   2021 - 2024

Relevant Coursework : OOP concept using Java and Python, Shell Script, Cryptography, Active Directory Basics, Network Security, Security System, Network Audit, DBMS, Web Development
Activity : Brand Ambassador of HackHunt at SAKEC, Cyber Peace Foundation Contributor, Member of Center of Excellence(COE)

SKILLS

Programming Language	Python, C, JavaScript, Java, Bash Script
Technical skills	Networking, Active Directory, Ethical Hacking, Cryptography & Kibana
Soft Skills	Communication, Project Management & Critical thinking.
Tools and Library	Linux, Git, Cloud (Azure,AWS,Google), Docker, Kubernatives, Kerberose
	NTLM, Filebeat, Rsaberry Pi, MYSQL, PostgreSQL
	Scapy, Matplotlib, Numpy & Panda.

EXPERIENCE

NTRDC Project Intern   September 2021 - February 2022
Crime Free Bharat   *New Delhi*

- Learn and Understand the concept of **Networking, Digital Forensics**, Ethical Hacking and implement it in the real world Cyber crime.
- Worked on real time Cyber Crime like Phishing & Wishing Attack.

Security Researcher   June 2022 - November 2022
CyberPeace Foundation   *Pune*

- Every Week a new task is given related to **Cybercrime** and **Databraches**. I have assigned a work to Describe about HoneyPot and Implement the **HoneyPot** inside the **SCADA/ICS** system virtually
- In This Internship I learned about Honeypot and Scada/ICS systems in detail and made a full fledged HoneyPot using **Docker, Python , Shell Script** and Visualize the attacker detail using **Kibana**.

Security Intern   August 2022 - October 2022
HackHunt CyberSecure LLP   *Mumbai*

- Task to Develop the **USB sanitization** Tools.
- Using Python I have made the script using **cryptography** to extract the sha1 hash of the file and then verify that hash using **virustotal API automatically**.

Co-founder & Lead Backend Developer   September 2022 - Present
Cybees (IT Services and Software Solution)   *Mumbai*

- Cybees is an IT company that provides network security solutions to its customers.
- **Honey Track** and **Network Traffic Analyzer** are the software developed to Help Organization cope up with Cyber Security Threat and Secure their Infrastructure

PROJECTS

HoneyTrack – An Improved HoneyPot   Bachelor of Engineering 2nd 3rd Year Project

- HoneyTrack is an **SIEM** tool it is Developed on Docker using **Python, Bash Script** and Visualize using the **Kibana.**
- Programmed the Python script for BackTracking the Attacker & mail the report. .
- Implemented on Azure Cloud to gather log of the real time intruder Monitor the Attack for **45-days** which gather **500,000+ log**. After the successful test, the college has planned to implement this project in its **Incident Response Policy.** And Also Use this Project Inside the **Mumbai University Data Center**

Cybees – Network Traffic Analyzer   Smart India Hackathon - 2022

- A Software that is used to capture the Packet and analyze the Packet in detail Format with a nice **GUI** and show the Total **Bandwidth** Uses by that device In a Graphical format and show the process which are using the Internet with their Bandwidth.
- Programmed the Backend from the Scratch with the help of Python and Integrate the Backend with the FrontEnd using the **Fast API**.calls the FastAPI with the help of **JavaScript** and Invoke the Function of Python
- Worked as a **Full Stack** Developer In this Project. Designing new methodology, new-Feature and Implementing

USB Sanatization - Remove virus   HackHunt - 2022

- It is a tool use to remove the Virus present in the USB and move the non Virus file into the another USB and perform some **virus** removal technique on the **affected USB**.
- Programmed using Python with some cryptography skill to extract the hash of the file and check for **virus scan** on that hash.
- It is used to protect the unaffected file.

RECOGNITION & ACHIEVEMENTS

Participation at the CiiA Exhibition

- Presented the **"HoneyTrack"** at the CiiA Exhibition (2022) and Accomplished 98 feedback from Industry Expert.
- Finalist of **Smart India Hackathon - 2022**

2nd Price at a National Level Paper Presentation Competition

- Achieved 2nd Position at the Technovation (2022) (National Level Paper Presentation Competition) for title **"HoneyTrack"**

CTF Player on TryHackMe – click here to check profile

- Ranked on **Top 1%** and Currently my Rank is **13127**

Licenses Certification

- Certified Secure Computer User Certification from **EC-Council**.
- Networking and Cyber Security Certification from **CISCO**.
- **Indian Institute of Bombay** Certification in Python, C, Java and HTML.
- Python and Network Security Certification from Shape AI Affiliated by **Microsoft Student AWS Club**.