



Harsh Kumar Gupta

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Work Experience

Blogger | [EthicalHackX.com](#)

FEB 2024 - Current

- Authored articles on Defensive Security, SOC (Security Operations Center) analysis, and Digital Forensics and Incident Response (DFIR) topics.
- Researched and wrote comprehensive guides on incident handling, email security, and threat hunting techniques.
- Provided comprehensive and informative writeups for lab machines to assist cybersecurity enthusiasts.
- Engaged with the cybersecurity community through comments and social media to discuss and share knowledge on the latest security trends and techniques.

PROJECTS

[EMAIL ANALYZER](#) | [EMAIL Security Tool](#)

JULY 2024

- Developed Python Django Web app combining Email Parser, DNS and Spoof Check feature to fortify email security.

[BASICS VULNERABILITY SCANNER](#) | [Web Security Tool](#)

Nov 2023

- Created a Python web vulnerability scanner for identifying Security issues in web applications.
- Applied web scraping and input field analysis to detect common vulnerabilities like SQL injection and XSS.

[PORTFOLIO WEBSITE](#) | [Personal Showcase](#)

Mar 2022

- Created a dynamic and responsive portfolio website using Django.

[ONLINE ICE-CREAM PARLOUR](#) | [E-commerce Web Application](#)

- Designed a user-friendly e-commerce portal for ice cream orders and product searches with automated email greetings upon account creations.

SKILLS

Programming Languages: C/C++ • Python

Web Development: HTML • CSS • Django • PHP • JavaScript • Bootstrap • MySQL

Cybersecurity Tools (Familiarity): Burp Suite • Nmap • Wireshark • Splunk • IBM QRadar • Metasploit
ELK STACK • EDR (MS DEFENDER)

Cybersecurity Concepts: Incident Response • Incident Handling • Email Security • Malware Analysis
(static and Dynamic) • Threat Hunting • SOAR • Memory and Disk Forensic (DFIR)

Penetration Testing: Test for common network and web application vulnerabilities.

CERTIFICATIONS

[Prepare for the CompTIA Security+ \(SY0-701\) Certification](#)

Achieved April 2024

EDUCATIONS

Dr A.P.J Abdul Kalam Technical University, Lucknow

2022-2025

Bachelor of Technology (B.Tech) in Computer Science

Government Polytechnic Mau

2019-2022

Diploma in Computer Science (BTEUP) | Percentage: 82%

Mahatma Gandhi Inter College, Gorakhpur

2018-2019

High School (U.P Board) | Percentage: 81%

LEARNINGS

HACKERRANK/ LEETCODE

- Solved DSA easy and intermediate problems
- Improved skills in C++ and Python

TRYHACKME / LETSDEFEND

- Solve Offensive and Defensive Labs
- Learned about Cyber Security concepts like Reconnaissance, Exploitation, Weaponization
- Use Nmap for network reconnaissance, uncovering hosts, open ports, and vulnerabilities.
- Use Wireshark for network traffic analysis, troubleshooting, and detecting anomalies.
- Utilized Burp Suite for web app security, intercepting requests and identifying flaws like SQLi and XSS
- Understand standard Framework like MITRE ATT&CK, CYBER KILL CHAIN, TAXII.