



# Harsh Kumar Gupta

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## Work Experience

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**Blogger | [EthicalHackX.com](https://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 write-ups for lab machines to assist cyber security enthusiasts.
- Engaged with the cyber security community through comments and social media to discuss and share knowledge on the latest security trends and techniques

**Intern - Engineering Developer | [QO-BOX Pvt. Ltd.](https://www.qo-box.com) | Remote/ Noida July 2024 - October 2024**

- Successfully completed a 3-month internship as part of the Engineering - Developer team.
- Contributed to developing and debugging web applications, optimizing system performance, and ensuring code quality.
- Demonstrated strong problem-solving skills, collaboration, and a willingness to learn.
- Gained hands-on experience with tools, frameworks, and agile development methodologies.

## PROJECTS

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**[EMAIL ANALYZER](#) | [EMAIL Security Tool](#) JULY 2024**

- Developed Python Django Web app combining Email Parser, DNS and Spoof Check feature to fortify email security with integration of Google Gemini Chatbot.

**[BASICS VULNERABILITY SCANNER](#) | [Web Security Tool](#) November 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](#) March 2022**

- Created a dynamic and responsive portfolio website using Django.

**[ONLINE ICE-CREAM PARLOUR](#) | [E-commerce Web Application](#) March 2022**

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

## SKILLS

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**Programming Languages:** C/C++ • Python

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

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

**Cyber Security 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

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**[Prepare for the CompTIA Security+ \(SY0-701\) Certification](#) Achieved April 2024**

## EDUCATIONS

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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%

## LEARNINGS

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### **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.