Yash Rustagi

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Objective

I am a dedicated cybersecurity enthusiast specialising in offensive security. I have worked on expanding my knowledge and skills through continuous learning to achieve personal and professional excellence. I want to build a career as a red team specialist to create impact by uncovering critical vulnerabilities, strengthening defenses, and enhancing overall cyber resilience.

Projects

Phishing Email Detection using NLP
- Developed a Chrome extension for real-time phishing email detection using NLP, email headers analysis, and malicious URL scanning with multilingual support; built with MERN Stack
- Implemented a CI/CD pipeline using Jenkins and GitHub for seamless deployment; integrated Google Auth for secure access control and user-defined privacy filters to protect sensitive data.

Windows Defender Bypass
- Created a custom PowerShell reverse shell, enabling persistent administrative access to a Windows 11 system.
- Successfully evaded Windows Defender detection by applying obfuscation techniques and reducing script's shannon entropy

Anomaly Detection in Human Behaviour using Computer Vision
- Developed a Python-based ML model to detect abnormal human behavior in video surveillance.
- Integrated fuzzy inference for adaptive threat classification, reducing reliance on static thresholds and manual oversight.

Education

B.Tech CSE with Specialisation in Cyber Security, NIIT University   **2022-2026**
CGPA: 9.48
Relevant Modules: Ethical Hacking, Vulnerability Assessment and Penetration Testing, Network Security, Cryptography, Information Security and Risk Assessment, Cyber Forensics
XII, DAV Public School(CBSE)   **2022**

Skills

- **Cyber Security Tools**: Burpsuite, Metasploit Framework, Wireshark, OWASP ZAP, Nmap,
- **Programming Languages**: Python, JavaScript, Bash Scripting, Powershell
- **Security Frameworks**: ISO 27001, GDPR, HIPAA, PCI-DSS
- **Database**: MySQL, MongoDB
- **Other tools and platforms**: Docker, Git, Jenkins, Jira, Asana, Kali Linux, Windows

Certification

- Certified Ethical Hacker (CEH) - EC-Council, 28th July 2025