

# Himanshu Gaur

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## Professional Summary

- Dedicated Cybersecurity enthusiast and B.Tech student specializing in Computer Science, Forensic Analysis, and Security Automation, with expertise in Ethical Hacking, Penetration Testing, Incident Response, Vulnerability Assessment, and Threat Intelligence.
- Ranked in the Top 1% on TryHackMe, demonstrating proficiency in Python, Scripting, Security Tools (Metasploit, Nmap, Wireshark, Burp Suite, Nessus), Machine Learning, AI/ML for Threat Prediction, Anomaly Detection, SIEM, Network Security, and System Hardening.

## Education

VIT Bhopal University, B.Tech Computer Science Engineering (Cyber Security and Digital Forensics)	Sept 2023- May 2027
Cambridge Court High School, High School (10+2), Science Stream	Completed : 2022

## Experience

<b>Pentesting Intern</b> , Ceeras IT Services - Hyderabad Based - Remote	Feb 2025- June 2025
Engaged remotely in monitoring systems, assessing risks, and assisting in developing security protocols to safeguard company assets.	
<b>Python Data Science Developer Intern</b> , Megaminds IT Services, Hyderabad Based - Remote	Apr 2025- June 2025
Contributing remotely to research-oriented academic development by building Python-based solutions for projects, theses, and research articles. Responsibilities include understanding complex academic requirements, delivering plagiarism-free code, and adhering strictly to project deadlines in a collaborative R&D environment.	
<b>Cyber Security Intern</b> , Rajasthan Police, Jaipur - Onsite	May 2025- June 2025
Analysing cyber threats (e.g., banking fraud, blockchain misuse) using OSINT tools to support a cybercrime database. Preparing detailed reports on AI-driven cybercrimes, enhancing law enforcement strategies. Ensuring compliance with ISO 27001 and NIST frameworks during investigations.	

## Projects

### Unlocking Identities: The Power of Facial Recognition

- Developed a facial recognition-based identity verification system to enhance cybersecurity and physical access control.
- Integrated OpenCV and CNN models to detect, extract, and verify faces in real-time with >95% accuracy.
- Strengthened authentication workflows, reducing spoofing risks and enabling secure biometric access for sensitive environments.

### Autopent

- Developed an AI-powered security automation tool for end-to-end website pentesting with minimal manual input.
- Automated recon, vulnerability scanning, Metasploit exploitation, and integrated Llama3.1 7B LLM for intelligent fixes.
- Reduced human effort by ~70%, enabling fast, offline, and modular assessments across diverse environments.

### PhishDefender: AI-Powered Phishing Response System

- Built an automated system to detect and respond to phishing threats, reducing manual triage by over 80%.
- Integrated email parsing, threat intelligence, and rule-based actions to flag, isolate, and auto-respond to suspicious messages.
- Improved incident response time and minimized user exposure using real-time alerts and dynamic blocking mechanisms.

## PROFESSIONAL PROFICIENCIES

- **Programming Languages** : Python, C++, Java, Bash
- **Frameworks** : Flask, Django, Streamlit, Requests, Sockets, Tensorflow, Pytorch, Seaborn, sklearn
- **Tools/Platforms** : Kali Linux, Metasploit, Automated Workflows, Splunk, Docker, Git/GitHub, MySQL, MongoDB, API Integration
- **Key Cybersecurity Concepts**: Penetration Testing, Security Automation, Incident Response, Threat Intelligence, SOC Operations, Vulnerability Management, Malware Analysis, Digital Forensics, Network Security, OSINT, SIEM, Red Teaming
- **AI & Machine Learning Focus**: Machine Learning Pipelines, LLM Integration, Prompt Engineering, AI-driven Automation, Model Fine-tuning, AI Security Tools, NLP-based Analysis
- **Soft Skills** : Team Leadership, Problem Solving, Project Management, Strong Communication, Public Speaking and Relations

## Certificates

- Demystifying Mobile Forensics - EC Council - Jul 2025
- Kali Linux Penetration Testing - Infosys Springboard - Apr 2025
- CompTIA Pentest+ – TryHackMe - March 2025
- Jr Penetration Tester – TryHackMe - March 2025
- Introduction to Cyber Security – CISCO - Jan 2025
- Getting Started with Bug Bounty – EC-Council - Jan 2025
- Execution, Persistence, Privilege Escalation and Evasion – InfoSec - Nov 2024
- Bits and Bytes of Computer Networks – Google - Nov 2024
- Introduction to Python for Cyber Security – InfoSec - Oct 2024