

Himanshu Gaur

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Education

VIT Bhopal University, B.Tech Computer Science Engineering (Cyber Security and Digital Forensics)

Expected May 2027

Cambridge Court High School, Class 12 (Senior Secondary), Jaipur

Completed 2022

Experience

Pentesting Intern | Ceeras IT Services | Hyderabad (Remote)

Feb 2025- Jun 2025

- Monitored 50+ systems and endpoints to identify vulnerabilities and unusual behaviour using tools like Nmap and Wireshark.
- Assisted in developing and enforcing 10+ security protocols, reducing false-positive alerts and improving system hardening.
- Participated in 5+ incident response simulations, helping streamline mitigation workflows and reduce response time by 45%.

Python Data Science Developer Intern | Megaminds IT Services | Hyderabad (Remote)

Apr 2025- Jun 2025

- Implemented 20+ custom Python solutions for academic research projects, theses, and dissertations across AI/ML, NLP, and data analytics.
- Delivered plagiarism-free, domain-specific code aligned with international university standards, meeting 100% of deadlines.
- Automated data processing pipelines and visualizations using Pandas, NumPy, and Seaborn, improving task efficiency by 65%.

Cyber Security Intern | Rajasthan Police | Jaipur (Onsite)

May 2025- Jun 2025

- Investigated cybercrimes, including banking fraud and blockchain misuse, using OSINT tools; coordinated over 200 case data points.
- Prepared comprehensive incident reports in compliance with ISO 27001 and NIST standards; contributed in 15+ digital forensic investigations
- Supported strategic planning by identifying 20+ emerging threat patterns and drafting actionable intelligence.

Projects

Unlocking Identities: The Power of Facial Recognition

- 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.
- Enhanced authentication workflows by reducing spoofing risks by 40% and enabling secure biometric access for restricted areas,

Autopent

- 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

- 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.
- Accelerated incident response by over 50% and minimized user exposure, deploying live alerting and adaptive 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
- Programming Concepts**: Data Structures & Algorithms, Object-Oriented Programming (OOP), REST APIs, Competitive Coding
- Soft Skills** : Team Leadership, Problem Solving, Project Management, Strong Communication, Public Speaking and Relations

Achievements

Top 1% Global Rank – TryHackMe (2025)

- Recognized among the top performers worldwide for completing advanced cybersecurity labs and challenges in ethical hacking and red teaming.
- Demonstrated consistent dedication to hands-on learning and a strong passion for mastering core and emerging cybersecurity concepts.

Certificates

- Demystifying Mobile Forensics | EC-Council | July 2025
- CompTIA Pentest+ | TryHackMe | March 2025
- Getting Started with Bug Bounty | EC-Council | January 2025
- Execution, Persistence, Privilege Escalation, and Evasion | InfoSec | November 2024
- Introduction to Python for Cyber Security | InfoSec | October 2024

Extracurricular activities

Hiring Manager Intern | Zeepty Technologies Pvt. Ltd. | Delhi (Hybrid)

Mar 2025 - Jul 2025

- Coordinated recruitment and candidate evaluation using applicant tracking systems and data-driven screening techniques.
- Aided in streamlining hiring workflows and supporting onboarding processes to enhance talent acquisition efficiency.