

DHRUV VERMA

Ghaziabad, Uttar Pradesh • +91 9667580400 • dhruvverma.1877@gmail.com • linkedin.com/in/dhruv-verma

EDUCATION

UPES, Dehradun B.Tech Computer Science (Cybersecurity & Forensics), GPA: 7.67	<i>Aug 2022 – May 2026</i>
Seth Anandram Jaipuria school, Ghaziabad 12th , GPA: 8.7	<i>Arpril 2021 – March 2022</i>
Seth Anandram Jaipuria school, Ghaziabad 10th , GPA: 9.22	<i>Arpril 2019 – March 2020</i>

EXPERIENCE

Cybersecurity & IoT Intern — IBM	<i>Jun 2025 – Jul 2025</i>
– Developed an ESP8266-based Laser Tripwire Intrusion Detection System using laser-LDR calibration for perimeter breach detection.	
– Implemented Python scripts for telemetry logging, alert notifications, and remote event synchronization.	
– Performed testing under varied environmental conditions to improve detection consistency and reduce false triggers.	
Network Security & Cloud Analyst Intern — TP Power Plus Ltd	<i>Jun 2025 – Jul 2025</i>
– Assisted in evaluating CSPDCL smart meter network architecture and identified routing and segmentation inconsistencies.	
– Contributed to deployment of secure VPN routing and certificate-based access policies for controlled remote access.	
– Supported enhancement of internal monitoring documentation and security compliance guidelines.	
Digital Strategy Intern — Satat Samadhan Foundation (IIT Delhi)	<i>Jun 2023 – Aug 2023</i>
– Created 10+ promotional and awareness videos for NGO campaigns, improving audience engagement across social media channels.	
– Helped coordinate awareness and volunteer activities, collaborating with 20+ students and community members.	
– Improved content visibility and reporting structure, contributing to an estimated 30% rise in interaction across digital channels during evaluation.	

TECHNICAL SKILLS

Programming & Concepts: Python, SQL, HTML
Libraries & Data Tools: Pandas, NumPy, Matplotlib, Seaborn
Risk & Security: GRC fundamentals, Incident Examination
Standards Awareness: ISO/IEC 27001, PCI DSS (introductory)
Tooling Exposure: Nmap, Wireshark, Metasploit, IDS/IPS concepts
Platforms: Linux, GIT, MySQL, Power BI, VS Code, Firewalls, Cloud IAM, MS Office

PROJECTS

Cognitive Honeypot for Cyber Attack Detection
– Designed an interactive honeypot system enhanced with generative AI to emulate vulnerable services and attract real-world cyber attacks.
– Implemented centralized logging, attack behavior analysis, and automated reporting to support threat intelligence and security research.
TraceLink — Geolocation Intelligence Platform
– Developed an IP-based geolocation tracking system that correlates geospatial data with network metadata.
– Implemented AES-256 encryption for secure telemetry exchange and basic anomaly detection heuristics.
Secure Scout — Automated Vulnerability Scanner
– Built a Python-based scanning workflow integrating Nmap for host discovery and port/service enumeration.
– Mapped findings to OWASP Top 10 categories and automated report generation to streamline manual review.
IoT Laser Tripwire Intrusion Detection System
– Designed an intrusion alert system using ESP8266, laser diode, and LDR sensor calibration to detect breach events.
– Added real-time notification and logging features through a lightweight Python backend.

CERTIFICATIONS

HackerRank SQL (Basics and Intermediate)	2026
CompTIA Security+ Certification	2026
Google Cybersecurity Professional Certificate	2025
HackerRank Python	2024
Deloitte Australia Cyber Simulation	2024
Tata Cybersecurity Simulation	2024