

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

Aug 2022 – May 2026

Seth Anandram Jaipuria school, Ghaziabad

12th , GPA: 8.7

Arpril 2021 – March 2022

Seth Anandram Jaipuria school, Ghaziabad

10th , GPA: 9.22

Arpril 2019 – March 2020

EXPERIENCE

Cybersecurity & IoT Intern — IBM

Jun 2025 – Jul 2025

- 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

Jun 2025 – Jul 2025

- 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)

Jun 2023 – Aug 2023

- 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