

Professional Profile

I am a fourth-year B.Tech IT student at Gokaraju Rangaraju Institute of Engineering and Technology (GRIET) with hands-on expertise in cybersecurity, networking, evidenced by projects such as a USB Rubber Ducky exploit, ESP8266 Wi-Fi deauthentication and evil-twin attacks and an AI-powered phishing email classifier. As an intern at DRDL-DRDO, I configured VLANs, conducted vulnerability scans on over 100 devices using Nmap and Nessus. I hold Cisco Networking Academy certifications and am proficient in Kali Linux, Cisco Packet Tracer, Phishing, Phishing Emails, Phishing Websites, Ducky Script, ZAP Proxy, Burp Suite etc. Through leadership roles as General Secretary of X-Kernel Club and Member Relations Head at ISTE, I've honed my communication and teamwork skills, positioning me to drive impactful cybersecurity initiatives.

Core Skills

- Cybersecurity Fundamentals
- Scripting & Automation
- Phishing
- SQL
- Leadership
- Networking
- Operating Systems
- Testing
- IoT
- Planning

Education

- **Bachelor of Technology in Information Technology** | Gokaraju Rangaraju Institute of Engineering and Technology (2022-2026)
- **Diploma in Cyber Security** | Cyber Yodha (2025-2026)
- **Senior Secondary Education** | Kendriya Vidyalaya Forest Research Institute, Dehradun, UK, India. | Apr 2021 - Mar 2022
- **Secondary Education** | Kendriya Vidyalaya Picket, Hyderabad, India. | Apr 2019 - Mar 2020

Career Summary

Apr 2024 - Jul 2024

Defence Research and Development Laboratory (DRDL) - DRDO,
Hyderabad, Telangana - 500010
Intern

Outline

As a Networking & Cybersecurity Intern at DRDL-DRDO, which develops missile systems and associated defense technologies under India's DRDO, I was embedded within the Directorate of Information Technology (DIT) under Cyber Security and Network Operations team. My responsibilities included performing scans on over 100's of devices. Assisted with day-to-day tasks to reduce workload and support permanent employees.

Key Responsibilities

- Configured and optimized VLANs, VTP, and DHCP for a network of connected devices.
- Conducted network scans using NMAP on 100+ devices, identifying around 3 critical vulnerabilities using Nessus, resulting in the improvement in network security.
- Developed shell scripts to automate routine tasks, saving a few hours per week in manual effort.
- Performed security reconnaissance using Google Dorking.
- Utilized Putty for remote system management, ensuring secure and efficient access to critical systems.

Practical Projects

1. *USB Rubber Ducky with Digispark:*

- Developed a payload using Ducky Script to extract saved Wi-Fi passwords, demonstrating the vulnerability of unsecured systems.
- Implemented webhook-based data retrieval, achieving data extraction within 10-15 seconds of device connection.

2. *ESP8266 Wi-Fi deauthentication and Evil-Twin Attacker:*

- I used an ESP8266 Wi-Fi microchip to perform attacks like Wi-fi deauthentication & Evil-Twin on weak Hotspots and Wi-Fi routers for better understanding of IoT weaknesses and vulnerabilities.

3. *AI-Powered Phishing Email Classifier:*

- My Part of work is Research, Testing & Refinement:-I built mock phishing sites/URLs, captured real attack data (e.g., timestamps, IPs, credentials), and fine-tuned detection rules.

4. *Secure URL Scanner (Linux Terminal Tool):*

- Developed a Dockerized URL scanning tool to analyze and report on the safety of URLs using multiple APIs and open-source libraries. Key features include:
 - Google Safe Browsing API for verifying domain safety.
 - VirusTotal API integration to classify URLs as Malicious, Suspicious, or Harmless based on multiple AV vendors.
 - SSL Certificate inspection for outdated or vulnerable certificates.
 - Redirect detection to identify potential phishing or spoofing attempts.
 - IP geolocation (IP address, country, city, organization).
 - Metadata extraction including page descriptions.
 - Automated screenshots for visual inspection.
 - Fully containerized using Docker to ensure user system isolation and security during analysis.

Tech Stack: Python, Docker, Selenium, Requests, BeautifulSoup, Google Safe Browsing API, VirusTotal API

Additional

Hobbies & Interests

Horse Riding, International Relations, Cybersecurity Related Research, Music, Football , Travel, Self-Talk, Research, Exploring New Tools & Tech.

Software

Excel, Word, PowerPoint, Google Mail, Microsoft Windows, Microsoft office.

Hardware

IoT, Networking, Desktops, LAN, WAN, Routers.

Programming Languages

PHP, SOL, HTML, CSS.

Languages

English, Hindi, Urdu, Telugu.

Awards

Trained Horse Rider - Indian Military Academy, Dehradun.

2nd Place - Football (Legacy '23 Sports Meet).