

ABIRAJ M

CyberSecurity Analyst

Coimbatore, India | abirajms73@gmail.com | +91 9080468372 | www.linkedin.com/in/abiraj007/
<https://github.com/hackabi003>

SUMMARY:

Motivated and enthusiastic cybersecurity fresher with solid foundational knowledge in bug hunting, basic networking, web penetration testing and cybersecurity concepts. Familiar with industry-standard tools and techniques, seeking an entry-level position to leverage skills and contribute to a dynamic security team.

EDUCATION:

Degree & Field of Study

2023 - 2024 Master's Degree in **Cybersecurity**, (Bharathiyar University), Coimbatore.

2020 - 2023 Bachelor's Degree in **Computer Science**, (Arulmigu Kalasalingam College of Arts and Science) Krishnankoil.

CERTIFICATIONS:

- Sep 2023 - Oct 2023 Cisco [Basic Networking](#)
 - July 2024 - Sep 2024 Cisco [Ethical Hacking](#)
 - Aug 2024 - Sep 2024 Kodekloud [Red Hat Certified System Administrator \(RHCSA\)](#)
 - Jun 2024 - Aug 2024 EC-Council [Ethical Hacking Essential](#)
 - Sep 2024 - Sep 2024 OPSWAT [Network Security Associate \(OSNA\)](#)
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SKILLS:

- Network Security: Network Protocols (TCP/IP, UDP)
 - Programming Languages: Python, SQL, Javascript
 - Tools: Burp Suite, OWASP ZAP, Wireshark, NMAP, Metasploit
 - Soft Skills: Problem Solving, Team Collaboration
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INTERSHIPS:

Pinnacle Labs Pvt Ltd, August 26, 2024 – September 26, 2024.

- Completed a one-month intensive internship focusing on cybersecurity with an emphasis on programming-level tasks.
 - Contributed to developing scripts and tools for security analysis and data protection.
 - Enhanced skills in cybersecurity practices, including vulnerability assessment and secure coding.
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PROJECTS:

1) Network Info & WiFi Scanner:

Description: Developed a Python-based tool that provides detailed network diagnostics and WiFi scanning functionality. The project integrates multiple Python libraries (pywifi, speedtest-cli) to gather network data, including nearby WiFi networks, network speed (download and upload), and system-level network information (IP and MAC addresses). The tool also features a simple web interface built with HTML and CSS, displaying the collected data in a user-friendly format.

Key Features

- Scans and lists nearby WiFi networks with details like SSID, signal strength, encryption type, and more.
- Measures real-time network speed (download and upload) using speedtest-cli.
- Retrieves system network information such as IP address and MAC address.
- Provides a dynamic web interface to visualize network and WiFi details.

Technologies Used: Python, pywifi, speedtest-cli, HTML, CSS, Flask (optional for web interface)

2) Windows System Logs Anomaly Detection:

Description:

Developed a Python-based tool for reading and analyzing Windows Event Viewer logs to detect anomalies using machine learning. Utilized the Isolation Forest algorithm for anomaly detection and pywin32 for accessing system logs. Implemented data preprocessing with pandas and feature encoding to identify and classify events as normal or anomalous. The project outputs a detailed CSV report of detected anomalies to aid in system monitoring and cybersecurity efforts.

EXPERIENCE:

Bug Hunting:

Vulnerability Discovery and Reporting: Identified critical vulnerabilities in government websites, including information leakage, clickjacking, and hidden file exposures, earning formal acknowledgment from **NCIIPC** for responsible disclosure.

Technical Skills and Analysis: Demonstrated proficiency in using tools like the Nuclei web vulnerability scanner, OWASP Zap, BurbSuite and manual testing to detect and report security issues, contributing to the strengthening of web security practices.
