MAGASHWARAHAN
ARUL SENTHIL

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📍 9/2. Ruby building, west Tambaram, Chennai.

CONTRIBUTIONS

NASA - HALL OF FAME

Identified and ethically reported unauthorized access to their SMTP servers, resulting in a letter of appreciation for enhancing their security measures.

UNITED NATIONS HALL OF FAME

Recognized for discovering a critical P1 vulnerability, leading to improved cybersecurity. Honored with a place in the United Nations Hall of Fame for security excellence.

WHO - WORLD HEALTH ORGANIZATION

Discovered exposed internal nameserver IPs, reporting the vulnerability and contributing to the security of their infrastructure.

NVIDIA

Reported an email server access vulnerability, contributing to the improvement of their email infrastructure security. Recognized in NVIDIA's Hall of Fame.

NCIIPC

Reported critical security vulnerabilities to National Critical Information Infrastructure Protection Centre (NCIIPC), including the Tamil Nadu government, enhancing the security of state-level digital infrastructure.

MAREL | DEUTSCHE TELEKOM | LG | TWOMILE

Acknowledged for identifying Broken Access Control (BAC) vulnerabilities and enhancing security systems, earning places in their respective Halls of Fame and got monetary rewards from the company (Twomile)

AWARDS & HONORS

FEATURED IN TIMES OF INDIA - 2024

A leading English-language newspaper in India, recognized my contributions to cybersecurity. This feature highlights my work in identifying and reporting critical vulnerabilities to organizations like NASA, the United Nations, and other global companies, helping strengthen their security systems.

View Here

HACK-O-HITS - 2023

Participated in my college hackathon where my team and I built an AI-powered student attendance system, automating the process using facial recognition. Secured 1st place along with cash rewards, demonstrating innovation and technical proficiency in AI and system design.

CAPTURE THE FLAG (CTF) - 2023

Competed in a Jeopardy-style CTF event, solving cybersecurity challenges in areas like cryptography, reverse engineering, and web exploitation. Secured 2nd place, showcasing my problem-solving skills and expertise in offensive security techniques.

PROFILE

Seasoned cybersecurity analyst with a proven track record of enhancing organizational security through proactive threat detection, incident response, and risk mitigation strategies. Skilled in conducting security assessments, identifying vulnerabilities, and implementing effective remediation measures to safeguard sensitive data and critical assets.

EDUCATION

Hindustan Institute of Technology & Science | 2022-2025

Bachelor of Computer Applications- Cybersecurity

SKILLS

SOFT SKILLS

- Problem-Solving
- Creativity
- Adaptability

HARD SKILLS

- Packet Analysis
- VAPT
- Network Security - Protocol Analysis
- Incident Response
- Log Analysis & Forensics

TECHNOLOGIES

Pentesting- Ghidra, Nmap, Wireshark, Metasploit, Burp Suite, Sumo Logic, tcpdump, Zeek , Netcat, Suricata

Scripting- Python, Java, Bash

PROJECTS

HOME LAB

- Established a home lab with a segmented LAN infrastructure

- Configured Wazuh SIEM and XDR tool for comprehensive threat detection and response

- Implemented Pihole as a DNS server to enhance network security and privacy

- Set up a Samba share for seamless file sharing and collaboration.

- Deployed Kasm, an isolated Docker container featuring a fully-patched, disposable browser. This innovative solution ensures the elimination of all traces of malware and session fingerprint after each use.

MULTI HONEYPOT PLATFORM

- Deployed T-Pot on Azure Cloud to enhance security measures. Configured virtual machine and network to support the installation and operation of T-Pot.

- Monitored and analyzed honeypot data to detect and respond to potential cyber threats.

PASSBOLT PASSWORD MANAGEMENT

- Created Passbolt, a self-hosted password manager, to securely store and manage complex passwords.

- Utilized AWS cloud services to host Passbolt, ensuring scalability, availability, and reliability and also used provided functionality within Passbolt for secure storage of complex passwords, enhancing data protection and user convenience.

ADDITIONAL SKILLS

- **Proficient in Web Development:** Skilled in web development technologies including HTML, CSS, JavaScript, React.js, Next.js, and Firebase. Developed responsive and dynamic websites, leveraging modern frameworks for optimal user experience.

- **Freelance Experience:** Successfully completed over 8 freelance web projects for various clients, consistently delivering top-notch quality and excellence. Projects ranged from e-commerce sites to interactive dashboards, tailored to client specifications.

- **Web Hosting & Deployment:** Experienced in hosting and deploying web applications on platforms like Vercel, Netlify, and Firebase Hosting. Ensured smooth deployment pipelines and optimized website performance for high availability and scalability.

CERTIFICATIONS

- **Tata Group** - Cybersecurity Analyst Job Simulation - Forage

  View Credential

- **Google** - Preparing for Your Professional Cloud Security Engineer Journey

  View Credential

- **Qualys**- Vulnerability management detection and response

  View Credential

- **HackerRank** - Python

  View Credential

- **Udemy** - Learn HTML5 Programming From Beginneer to Pro

  View Credential

- **Microsoft**- Certified Microsoft Innovative Educator

  View Credential

- **Guvi** - The Guinness World Record Event - Most Users to take an online programming lesson in 24 hours

  View Credential

- **Microsoft** - First Step into Artificial Intelligence

  View Credential

DECLARATION

I hereby declare that the above information is true to the best of my knowledge and belief.

PLACE: Tamilnadu, India

DATE: 6th October, 2024

MAGASHWARAHAN A