PRABHU PERUMAL

Bachelors in Computer Science, Masters in Cybersecurity
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CONTACT

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EDUCATION

Masters Of Science in Cybersecurity
Sept 2023 – Aug 2025
University of Denver , Denver, USA

Bachelor Of Engineering in Computer Science , April 2015- 2019
Anna University , Chennai, IND

CERTIFICATIONS

Certified Ethical Hacker , Jan 2025
EC Council

Purdue Certified in Applied Cybersecurity Essentials , Feb 2021
Purdue University- Infosys

First AID Responder – CPR/AED
Feb 2024
American Red Cross

LEADERSHIPS

Student Chairman, Dept of CSE, 2019
Sairam Institute of Technology, INDIA

Symposium Organizer, SINTACS, 2018
Sairam Institute of Technology, INDIA

Cybersecurity professional with 3+ years of experience in vulnerability management, cloud security, DLP, and endpoint protection for financial clients. Passionate about developing AI in Cybersecurity.

Vulnerability Management: 2 years with Tenable/Nessus, securing AWS servers, on-prem devices, and endpoints and leading vulnerability management.
Data Loss Prevention: 1 year with Symantec CASB, preventing data leaks.
Patching & Hardening: Demonstrated ability to reduce enterprise-wide risk exposure, including clearing 400,000+ CVEs in 3 months with 10,000+ critical threats mitigated—resulting in client appreciation. Applied CIS benchmarks policies
Zero-Day Threats: Skilled in identifying and mitigating zero-day vulnerabilities.
Tool Expertise: Proficient with Nessus, Tenable.io, AWS Macie, Symantec DLP, and Palo Alto firewalls, Penetration tools, Ethical Hacking Tools.
Shadow IT Analysis: Blocked unauthorized cloud storage, ensuring compliance.

PROFESSIONAL EXPERIENCE- 3 years

Technology Analyst, CYBER SEC — **Infosys Limited, Bangaluru, India**
Client 1: Fullerton Fund Management Singapore
Client 2 :Temasek Holdings Limited, Singapore
January 2023- Aug 2023

Tools Expertise: Tenable.io, Symantec CloudSOC, Symantec DLP, AWS Macie, Falcon CrowdStrike

- **Data Loss Prevention, UEBA & Shadow IT Process:** Investigated data leaks and created user behavior patterns to block unauthorized cloud storage.
- **Endpoint Protection:** Set up policies, rules, and installed Falcon agents for robust endpoint security.
- **Compliance Controls:** Ensured servers and endpoints met CIS benchmarks for security hardening.

Senior Systems Engineer, CYBER SEC — **Infosys Limited, Bangaluru, India**
Client : Seviora Capital and Seviora holdings, Singapore
February 2022- December 2022

Tools Expertise: Tenable.io, Palo Alto Firewall

- **Vulnerability Management:** Implemented and led vulnerability management , conducted scans, and performed risk assessments across all organizational assets. Created the best strategic plan to remediate vulnerability within SLA.
- **Patch Management:** Led the patch management team, providing technical guidance and SOP to mitigate security risks on Windows and RHEL servers.
- **Firewall Expertise**: Served as a backup SME for Palo Alto firewalls.
- **Client Satisfaction:** Successfully cleared 400,000+ CVEs in 3 months including 10,000+ critical threats—earning direct client recognition.

Systems Engineer, CYBER SEC — **Infosys Limited, Bangaluru, India**
Client : Temasek Holdings Limited, Singapore
January 2021- January 2022

- **Vulnerability Scanning:** Executed Vulnerability scanning and risk assessments, developed SOPs and led patching efforts.
- **Patch Management:** Collaborated with the patching team to meet client requirements and targeted SLAs.

INTERNSHIPS

Systems Engineer Trainee — **Infosys Limited, Bangaluru, India** Aug 2020- Dec 2020

- Trained and certified in the Infosys internal Assessment and Purdue University Technical Assistance Program in Application security, Endpoint security, and Vulnerability Management.

ACHIEVEMENTS

Cyber force Competition 2024
Nov 2024 , Dept of Energy, IL, USA
A national cybersecurity competition focusing on securing industrial control systems (ICS) and optimizing power generation under simulated cyberattack conditions. Collaborated in vulnerability assessment, system troubleshooting, and efficient turbine management using HMI and PLC systems. Ensured data centre uptime by adapting turbine settings based on wind parameters.

Student Innovator Award
Jan 2019 , ICT Academy, IND
A Selected as the TOP 10 student innovator in the Tamil Nadu State for the IT & COMPUTER SCIENCE.

Smart India Hackathon 2018
March 2018 , Govt of India , IND
Selected as the finalists and performed 36 hours of coding event conducted by the AICTE, Govt of India. I created Solution for the problem statement under the Ministry of Gujarat.

HONORS AND AWARDS

Cyber Security Professional Skill Tag
May 2023 , Infosys Limited.
In recognition of my skills and experience, contributing to the company's future readiness, I have been awarded this skill tag.

Rise Insta Award(1),
Aug 2022 , Infosys Limited.
Awarded for handling Vulnerability Management single-handedly, clearing over 10,000 critical threats, and excelling in managing client expectations.

Rise Insta Award(2),
Aug 2022 , Infosys Limited.
Appreciation awards have been received for solving the issues in other projects.

SKILLS

CYBER SEC SKILLS: DLP, Vulnerability Management, vulnerability patching, setting up the Hardening controls, Effective use of MS Office for Data Analysis and Interpretation, UEBA Analysis, Shadow IT, Penetration Testing, Ethical Hacking, Digital forensics, Python security development, Network Security.
TECH. TOOLS: Nessus & Tenable.io, Palo Alto firewall, Symantec DLP, Cloudsoc CASB, AWS Macie, Kali Penetration testing, Ethical hacking tools, Digital forensic Tools.
PROGRAMMING LANGUAGE: Python, C, shell scripting, bash
PASSION : Photography, Video editing, Violinist, Video Games, CTF Challenges

TRAINING

Adversary Tactics: Detection-Specter Bash,
SpecterOps,USA October 2024
Completed advanced detection engineering training, focusing on detection strategies, capability abstraction, and practical exercises in simulated compromised environments.

Certified Ethical Hacking (CEH) – Version 12
EC-Council, USA October 2024 – December 2024
Engaged in comprehensive ethical hacking training, covering penetration testing methodologies, threat analysis, and vulnerability assessments.

Cisco Certified Network Associate (CCNA)
Network Geek, ND – February 2018
Completed Cisco's CCNA course, gaining expertise in network fundamentals, IP services, and security protocols.

GRAD PROJECTS

University of Denver, USA
Distract Hackers with Honeypots in OSINT & SOCMINT (Jun 2024): Engineered deception-based security using honeypots and fake data lures to mislead attackers.

Multi-Cloud Deployment of Docker Voting Site (Aug 2024): Deployed Kubernetes clusters in AWS, GCP, and Azure to host real-time voting systems.

Digital Forensics Investigation – Innovize Inc. (Feb 2025): Conducted end-to-end forensic analysis of a compromised Linux system. Analyzed logs, user activities, hidden files, and network artifacts. Identified attack vector, lateral movement, persistence, and recommended incident response strategies.

Blockchain-based Ransomware-Proof Backup System (March 2025): Designed secure data backup system using smart contracts, IPFS, and Ethereum.

Vulnerable Lab and CTF Challenge Development(Aug 2025): I designed and built two comprehensive cybersecurity labs, CypheriaGame and KubeGoat, from the ground up. This project included creating 23 distinct Capture The Flag (CTF) style challenges covering binary exploitation, web vulnerabilities, and container misconfigurations

UNDERGRAD PROJECTS

Anna University ,INDIA
AI-Based Bank Statement System *(May 2018):* Automated bank subsidy eligibility and claims through Python AI integration with MSME.

Augmented Reality Plant Disease Detection *(Jul 2019):* *Used Python OpenCV and CNN to detect leaf diseases with AR visualization.*