HARIDEV P

Kozhikode, Kerala

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Summary

Security researcher and Computer Science student specializing in offensive security, Active Directory exploitation, and embedded systems. Seeking to leverage skills in Python, Red Teaming, and hardware testing to enhance organizational security posture.

Education

Amrita Vishwa Vidyapeetham   **Coimbatore, Tamil Nadu**
Bachelor Of Technology - Computer Science And Engineering   *Aug 2023 – July 2027*
CKG MEMORIAL HSS, CHINGAPURAM   **Kozhikode, Kerala**
XII - 96%   *Jun 2021 – March 2023*

Experience

Mobile Beta Tester (Android Platform)   **May 2025 – Present**
Confidential Mobile Manufacturer   *Remote*
- Executing black-box testing on unreleased smartphone hardware, identifying critical UI/UX and performance bottlenecks.
- Reporting functional bugs and system instability using proprietary tracking tools, directly aiding the QA team.
- Evaluated device thermal performance and battery optimization under high-load scenarios.

Cybersecurity Practice & Research   **Dec 2024 – Present**
TryHackMe & Hack The Box   *Remote*
- Engaged in continuous offensive security simulations, documenting attack vectors on portfolio (haridevp.dev).
- Maintained active researcher profile on TryHackMe (tryhackme.com/p/ArtemizZ), applying theoretical concepts to real-world labs.

Projects

Stealth C2 Framework (Red Team Research) | *Python, Discord API*   **Nov 2025 – Present**
- Engineered a modular adversary emulation framework to test network Intrusion Detection Systems (NIDS).
- Implemented AES-256 encrypted channels over Discord API to simulate data exfiltration and test DLP solutions.
- Designed agent logic to demonstrate persistence techniques for educational and defensive analysis purposes.

Enterprise Active Directory Attack Lab | *Windows Server 2022, PowerShell*   **Nov 2025 – Dec 2025**
- Architected a virtualized corporate environment with a Domain Controller, User Workstations, and segmented networks.
- Simulated real-world attack vectors including LLMNR Poisoning, Kerberoasting, and SMB Relay.
- Hardened the environment by configuring Group Policy Objects (GPOs) and auditing event logs.

SentiVest (IoT Fall Detection System) | *C++, Arduino, MPU6050*   **Aug 2025 – Oct 2025**
- Developed a wearable vest integrating an MPU6050 gyroscope and pulse sensor for real-time elderly monitoring.
- Programmed an algorithm to distinguish between normal movement and sudden falls with high accuracy.
- Implemented an automated alert system to trigger SMS notifications via GSM module in critical events.
- Repository: View Source Code (GitHub)

Technical Skills

Languages: Python, C++, SQL, HTML/CSS, JavaScript, Bash
Security Tools: Nmap, Burp Suite, Wireshark, Impacket, John the Ripper, Metasploit, BloodHound
Platforms/Systems: Linux (Kali, Fedora), Windows Server, Active Directory
Concepts: Penetration Testing, Malware Analysis, Network Forensics

Certifications

Google Cybersecurity Certificate   **Issued Nov 2024**
Coursera (Google)
- Comprehensive training in threat modeling, SQL injection analysis, and incident response.
- Show Credential

Google Cloud Computing Foundations Certificate   **Issued Jul 2024**
Google Cloud Skills Boost
- Foundational knowledge of cloud architecture, VMs, and networking.
- Show Credential

Leadership & Extracurricular

National Service Scheme   **Nov 2021 – Mar 2023**
Volunteer   *CKG MEMORIAL HSS*
- Led tree plantation drives and community awareness programs; organized educational outreach events.