Adithyan Arun Kumar

OSCP | CEH (Master)

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Infosec Skills

- Penetration testing
- Offensive Security
- Bug Bounty
- Exploit Development
- Open Source Intelligence
- Security Research

CVE

- CVE-2019-6441
- CVE-2019-7562
- CVE-2019-7563
- CVE-2019-7564
- CVE-2019-7565

Education

B.Tech Information Technology
Aug 2017 - March 2021

Sri Krishna College of
Engineering and Technology

Personal Profile

Offensive Security Researcher with over 4 years of experience. Skilled in Penetration Testing, Web Application Security, Network Security, and Red Teaming

Programming Skills

- Python
  - Django Framework
- Bash
- C
- C++
- Java

Career Summary

OWASP, Coimbatore — Chapter Head

July 2018 - Present

Conduct specialized research in application vulnerabilities and attack vectors, designing and developing open-source tools for application security, contributing to existing OWASP open-source projects, and conducting cybersecurity training and awareness programs.

Gurugram Cyber cell, Haryana — Intern

May 2019 - June 2019

Researched real-world cybersecurity attacks against people, studied and interpreted cybersecurity laws, and developed security suites to be used by Law Enforcement agencies.

Stewards, London — QA Engineer (Remote Intern)

June 2019 - July 2019

Performed developmental testing of Android applications to identify performance and security issues, along with providing actionable strategies to mitigate risk to such findings in the applications.

Lupyd Tech, Delhi — Security Researcher (Remote Intern)

Sept 2019 - Nov 2019

The role includes understanding threat analysis using a proprietary signature description language, troubleshooting, and testing IPS & Gateway AV engines on firmware, Researching new ways to improve the Deep Packet Inspection engine, Reverse engineering, and analyzing new malware threats.

Research & Achievements

- **Top 10 Security Researcher** - Oppo Bug Bounty Leaderboard 2018.
- **Winner** at Hac'KP 2020 International Virtual Hackathon by Kerala Police Department
- **Winner** at SecArmy CTF 2020
- **Reverse Engineering and Backdooring Router Firmware** - IEEE International Conference on Advanced Computing and Communication Systems
- **LSAF: A Novel Comprehensive Application and Network Security Framework for Linux** - IEEE International Conference on Advanced Computing and Communication Systems
- **Remote Code Execution in Web Applications** - International Journal of Engineering and Technology
- **Web Application Penetration Testing** - International Journal of Innovative Technology and Exploring Engineering (IJITEE)
- **Runner** at TN Police Hackathon conducted by Tamilnadu Police
- Delivered talks at Defcon and OWASP meetups

Projects

WAVE — Web Application Vulnerability Scanner

A Python-based CLI tool that scans for web application vulnerabilities such as Cross-site scripting, SQL injection, local file inclusion, Host header injection, Clickjacking, and Cross-origin resource sharing.

OSINTsploit — Framework

A comprehensive OSINT framework built with Python that gathers information about a suspect through a variety of Open Source Intelligence techniques. Additional functionalities include metadata extraction, reverse image search, IP heat map creation, etc.

Track Their Download — REST API

An API built with Django REST Framework to display torrent download information of a given IPV4 address by scraping from an external source.

Whatsapp Auto Chat Bot — ChatBot

An Artificially intelligent chatbot built with Python and selenium that can impersonate the user and speak to the user's selected WhatsApp contacts.

Certifications

- Offensive Security Certified Professional (OSCP)
- Certified Ethical Hacker
- Certified Ethical Hacker Practical
- Certified Ethical Hacker (Master)

Hall Of Fame & Recognition

- Microsoft
- Oppo
- AT & T
- Apple Security Advisory
- Intel
- Avira

Exploits

- www.exploit-db.com/exploits/46180
- www.exploit-db.com/exploits/46336

Author Profiles

- Exploit-DB
- Cxsecurity
- Packetstormsecurity
- Vulmon
- Github
- Google Scholar

Social Handles

- Instagram
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Character References

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