

Athul Prakash NJ

Security Researcher

- 📍 Kerala
- ☎ +91 8921511945
- ✉ athulprakashnj@gmail.com
- 🌐 <https://linktr.ee/psychoSherlock>
- 🌐 <https://linkedin.com/in/psychosherlock>

Certifications

Certified AppSec Practitioner (CAP)

The SecOps Group

March, 2024

🔗 <https://secops.group/>

Awards

1st place in HackAtArch

GEC Thrissur and TinkerHub

March 2025

1st Place in 6 hour long jeopardy style CTF

1st in National Level Hackathon

IEEE SB MITS

January 2025

🔗 <https://ieeesbmits.in/>

1st Place in Intercollege CTF

MITS

March 2024

Best Product Development Award

MITS - AY 2023-24

July 2024

Best Product Development award by college for Annual Year 2023-24

3rd in TECHXCEL Challenge

IEDC MITS

JULY 24

Our concept was to develop a CCTV-based litter tracking system with the help of advanced Artificial Intelligence

Top 8 Red Team CTF

Red Team Hacker Academy

September 2024

🔗 <https://redteamacademy.com/>

Summary

Passionate and self-driven cybersecurity enthusiast with 4+ years of hands-on experience in application security, CTFs, exploit development, and custom lab creation. Skilled in identifying real-world vulnerabilities through bug bounty programs and writing detailed, high-quality reports. Dedicated to offensive security, red teaming, and continuous self-improvement.

Experience

Fetlla

Jun 2023 - Present

Security Engineer and Developer

Kerala

🔗 <https://www.fetlla.com/>

- Created custom Nuclei templates for vulnerable WordPress plugins.
- Published CVE exploits on Exploit-DB, showcasing offensive skills and reverse engineering.
- Built 5+ unique Boot2Root CTFs (Docker & Vagrant) featuring SSRF, IDOR, XSS, and layered RCE via misconfigurations.
- Designed secure coding/code analysis challenges for vulnerability discovery.
- Led a team to develop a modern alternative to OWASP Juice Shop with real-world security flaws.
- Developed an AI-based OS scanner that generates detailed misconfiguration reports.
- Provided technical support for the Fetlla security community.

VDP Programs

Jan 2023 - Present

Bug Bounty

India

- Reported Account Takeover and Business Logic bugs in aglasem.com affecting user privilege flows.
- Found Auth Bypass, Rate Limiting flaws, and Account Takeover in embibe.com.
- Reported IDOR and Account Takeover in kuula.co.
- Identified Reflected XSS in wallpapercave.com affecting thousands of users.
- Gained root access to scammer infra and cloud assets; disclosed and assisted Kerala Police.
- Reported Open Redirection in a Next.js app (Private BBP).

MITS

Oct 2023 - Present

Developer

Kerala

🔗 <https://mgmits.ac.in/>

- Conducted authorized security assessment of campus network.
- Exploited Hikvision CVE-2017-7921 to access internal CCTV feeds.
- Achieved root access on vulnerable systems via privilege escalation.
- Coordinated with authorities to patch and secure systems.
- Built an AI litter detection system using YOLOv8; won 3rd prize at IEDC TechXcel.

Education

Muthoot Institute Of Technology And Science

Computer Science & Cyber Security

October 2023 - Present

BTech

<https://mgmits.ac.in/>

Volunteering

Tinkerhub - MITS

Project Team

March 2023 - Present

Kochi

Skills

Ethical Hacking

networking, exploit, development, cloud,
android, linux

Security Tools

Knowledge in wide range of security
tools

burpsuite, nmap, frida, metasploit,
nuclei, ffuf

VAPT

linux, windows, security, server, web
application, burpsuite, sql injection, idor,
xss, ssti, ssrf, csrf, buisness logic

Python

Automation, Selenium, Web Scraping

Cloud Security

aws, oracle, cloud, cloud security

Projects

CVE-2022-25148 Exploit

Create an exploit for CVE-2022-25148 as none existed in the wild. Exploit have
been tested and approved by Exploit-DB.

<https://www.exploit-db.com/exploits/51711>

exploit, cve, injection, sql

CVE-2022-25149 Exploit

Exploit for WP Statistics Plugin <= 13.1.5 ip - Time based SQL injection
(Unauthenticated)

<https://github.com/psychoSherlock/exploits/tree/main/CVE/CVE-2022-25149>

exploit, cve, SQL, injection

VulnPal

Created a Linux Box embedded with Drupal which has a Severe RCE
Vulnerability along with a Potential Privilage Escalation

<https://tryhackme.com/r/room/fetllavulnpal>

PwnPortal

Created a Linux Box embedded with a custom admin portal which have a real
life based OS injection RCE and a custom privilage escalation potential.

[https://drive.google.com/file/d/1z0rNeuTspJN570qTs7eecVJKei1xG2VD/view?
usp=drive link](https://drive.google.com/file/d/1z0rNeuTspJN570qTs7eecVJKei1xG2VD/view?usp=drive_link)

AI Litter Detection

As part of an IEDC challange I created a litter detection image classification
model with the help of YOLOv8 and UAVVaste Dataset

<https://github.com/psychoSherlock/cctv-litter-detection>

AI, tensorflow, yolo, IEDC

Publications

WP Statistics - Time based SQL injection

February 2022

Exploit DB

<https://www.exploit-db.com/exploits/51711>

Attacking Home Routers: The ROM-0 Vulnerability [With Exploit] April 2023

Medium

[Blog Link](#)

Choosing your exploits

July 2023

Medium

[Blog link](#)

References

Embibe - Hall Of Fame

Bug Bounty Experience

<https://www.embibe.com/in-en/vulnerability-disclosure-program/>

Hackerone Profile

Bug Bounty Experience

<https://hackerone.com/psychosherlock>