MOHAMMED ASSAD

asdtriada@gmail.com
linkedin.com/in/mohammed-assad2
github.com/Ro0tk1e
assad.triada.in
+91 8618300135

SUMMARY

Cybersecurity practitioner, CTF player, and challenge developer with hands-on experience in SOC operations, Blue Teaming, reverse engineering, cryptography, steganography, and threat analysis. Active member of a national-level CTF team and participated in major cybersecurity competitions. Passionate about practical security research, tool development, Linux environments, and community-driven learning.

TECHNICAL SKILLS

Security Domains

- SOC Monitoring, Blue Teaming, VAPT, Threat Hunting
- Threat Analysis, Malware Detection, Network Monitoring
- Incident Response, Reverse Engineering
- Cryptography, Steganography

Tools & Platforms

- Suricata, Splunk, Wireshark, Burp Suite
- Nmap, Metasploit, Apktool, Ghidra
- Hashcat, Netcat, Kali Linux

EXPERIENCE

TCS iON Internship — Cybersecurity Intern **3 Months**

- Completed structured enterprise cybersecurity training.
- Gained exposure to SOC processes, monitoring, and investigation workflows.

Team Triada — National CTF Team Member & Challenge Developer **2024 – Present**

- Active member of Team Triada, a national-level Capture The Flag (CTF) cybersecurity team.
- Design and develop custom cybersecurity challenges and lab environments.
- Contribute to challenge infrastructure, testing, and competition deployment.

YenShield — Cybersecurity Team Member **2024 – 2026**

- Trained 80+ students in Linux fundamentals and beginner CTF domains.
- Conducted cybersecurity learning sessions and hands-on activities.

NULL Community & Cybersecurity Conferences

- Regular attendee of NULL meetups and cybersecurity conferences.
- Participated in workshops, networking, and security discussions.

TECHNICAL PROJECTS

ASD•VAULT — Secure Password Vault & File Integrity Monitoring (FIM)

- Built a secure password vault using AES-256-GCM encryption.
- Implemented Argon2id password hashing.
- Added password generation, breach detection, and file integrity monitoring.

SOC Automation Tool

- Developed automation scripts for SOC alert handling and investigation workflows.
- Focused on improving SOC analyst efficiency and response time.

CRIPSTEGZ — Cryptography & Steganography Tool

- Developed a tool for encryption, decryption, and hidden-data workflows.
- Published globally using Python packaging.

Triada Labs — CTF Platform

- Co-built a structured platform for hosting cybersecurity challenges and labs.

Proct — Privacy-Focused Quiz & Proctoring Platform

- Developed a modern quiz and assessment platform designed for educational institutions.
- Focused on maintaining assessment integrity while prioritizing student privacy.
- Built as a non-invasive alternative to traditional online proctoring systems.

Wi-Fi Deauthentication IoT Device

- Built an ESP8266-based device for authorized wireless security testing.
- Received 1ST recognition for the project.

EDUCATION

Bachelor of Computer Applications (BCA) **2023 – 2026**
Yenepoya University, Bengaluru

12th Grade — Aurobindo PU College **2023**

10th Grade — Narayana E-Techno School **2020**

ACHIEVEMENTS

- Ranked among the Top 1% in major cybersecurity CTF competitions.
- Featured on the IEEE Hackathon 2026 Mentors & Judges page for cybersecurity contributions..
- Published a globally accessible cryptography and steganography tool.
- Received 1ST recognition for the ESP8266 Wi-Fi Deauthentication IoT project.

CERTIFICATIONS

- Google Cybersecurity Professional Certificate - Coursera
- Certified API Security Analyst (CASA) - APIsec University
- Network Security - IBM
- Introduction to Cybersecurity - Cisco