

MOHAMMED ASSAD

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Summary

Cybersecurity practitioner and CTF developer specializing in SOC, Blue Teaming, cryptography, and steganography. Actively contributes to community learning, tool building, and competitive security environments.

Technical Skills

Security Domains: VAPT, SOC Monitoring, Threat Hunting, Threat Analysis, malware detection, network monitoring, incident response, cryptography, steganography, reverse engineering.

Tools: Suricata, Burp Suite, Wireshark, Nmap, Metasploit, Apktool, Ghidra, Netcat, Hashcat, Splunk, Kali Linux.

Experience

TCS iON Internship 3 Months

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

Team Member & Challenge Developer — Team Triada 2024–Present

- Designed and supported multi-category CTF challenges.
- Assisted in building labs and competition environments.

Cybersecurity Team Member — YenShield 2024–Present

- Trained **80+ students** in Linux fundamentals and CTF domains from scratch.

NULL Community and Cybersecurity Conferences Participation

- Regular attendee of NULL meetups and major conferences.

Technical Projects

ASD•VAULT — Secure Password Vault & FIM (Ongoing)

- AES-256-GCM encrypted vault secured with Argon2id.
- Includes password generation, breach detection, and file integrity monitoring.

SOC Automation Tool

- Developed automation to streamline alert handling and investigation workflows.
- Focused on improving SOC efficiency and response time.

CRIPSTEGZ — Cryptography & Steganography Tool

- Supports encryption, decryption, and hidden-data workflows.
- Published for global usage via Python packaging.

Triada Labs — CTF Platform

- Co-built a structured platform for hosting competitive challenges.

Wi-Fi Deauthentication IoT Device

- Built an ESP8266-based device for authorized wireless testing.

Education

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

12th Grade — Aurobindo PU College 2023

10th Grade — Narayana E-Techno School 2020

Achievements

- Consistently ranked in the **top 1%** across major CTF competitions.
- Ranked in the **Top 5%** on TryHackMe.
- Published a global cryptography-steganography tool.
- Received Class 1ST recognition for the Wi-Fi Deauthentication IoT device.

Certifications

- Google Cybersecurity — Coursera
- IBM Cybersecurity Fundamentals
- IBM Network Security
- Cisco — Introduction to Cybersecurity
- TryHackMe — Advent of Cyber

Portfolio: assad.triada.in