

# Glan Loyan Dsouza

## Red Teaming (Offensive Security)

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### Core Skills

- **Penetration Testing & VAPT:** Expertise in identifying vulnerabilities in web applications, networks, and APIs.
- **Network Security:** Proficient in firewalls, IDS/IPS, packet analysis, and secure network architecture.
- **Red Teaming & Blue Teaming:** Skilled in offensive and defensive security strategies.
- **Web & API Security:** Experience in testing for OWASP Top 10 vulnerabilities, API security assessment.
- **Cloud Security:** Understanding of security in AWS, Azure, GCP environments.
- **Identity & Access Management (IAM):** Implementing security policies and role-based access control.
- **Secure Coding & Scripting:** Proficient in Python for security automation and exploit development.
- **Threat Intelligence & Incident Response:** Experience with SIEM tools, log analysis, and forensic investigations.
- **Ethical Hacking Tools:** Hands-on experience with Burp Suite, Wireshark, Nmap, Metasploit, and more.
- **Compliance & Risk Management:** Familiar with PCI DSS, GDPR, ISO 27001, and security auditing.
- **SOC Monitoring & Incident Response** – SIEM, Log Analysis, Threat Investigation
- **Threat Hunting & Malware Analysis**
- **Security Information & Event Management (SIEM)** – Splunk, QRadar, ELK
- **Python for Security Automation:** Skilled in scripting and automating offensive security tasks, including vulnerability detection and exploit development.
- **Advanced Networking & Protocols:** Strong understanding of OSI and TCP/IP models, packet analysis, and secure network configurations.

### Work Experience

#### Cybersecurity Intern | Cybersapiens United LLP, India

October 2022 – October 2023

- Conducted **VAPT assessments** for clients like IISc, PharmEasy, and Tamara.com.
- Identified **clickjacking, subdomain takeovers, and web vulnerabilities**.
- Performed **SIEM investigations & incident response** using **Splunk & Wireshark**.
- Developed **VAPT reports** with **remediation strategies** for clients.

### Education

#### MSc in Computer Science – Cybersecurity & Ethical Hacking

Yenepoya University, Mangaluru | 2023 – 2025 | CGPA: 9.0

#### Bachelor of Computer Applications (BCA)

St. Aloysius College, Mangaluru | 2019 – 2022 | CGPA: 7.3

### Projects

#### Live SOC Monitoring (LetsDefend)

- Monitored real-time security alerts, performed triage, and investigated incidents in a simulated SOC environment.
- SIEM (Security Information and Event Management), Splunk, Wireshark, MITRE ATT&CK Framework, Log Analysis Tools.
- Improved incident response efficiency by accurately identifying threats, reducing false positives, and enhancing threat analysis skills in a real-world simulated environment.

#### Offensive Security Automation with Python

- Developed and automated penetration testing tools for reconnaissance, scanning, MITM attacks, exploitation, and web vulnerability testing.
- Python, Scapy, BeautifulSoup, Paramiko, ftplib, NetfilterQueue, PyInstaller.
- Streamlined security assessments by automating repetitive tasks, reducing manual effort, and improving accuracy in vulnerability detection.

#### Penetration Testing & Vulnerability Assessment Tool

- Developed a security testing tool featuring proxy, intruder, and automated scanning for enhanced security assessment using Javascript

### Certifications

- EC-Council Certified Ethical Hacker (CEH v12)
- Microsoft Azure: Identity and Access Management
- LetsDefend SOC Analyst
- Certified Ethical Hacker from Cybersapiens United LLP
- Cyber Security And Threat Hunting Certificate from Cybersapiens United LLP

### Achievements

- Performer of the Month – Cybersapiens United LLP
- VAPT Certificate of Appreciation for Outstanding Bug Detection
- Executive Board Member (Secretary) – OWASP Yenepoya Chapter