

AKSA MARIA JOHNS

SOC ANALYST

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LINKEDIN

KERALA,INDIA

PROFILE

Cyber Security Professional with experience in Web Application Penetration testing and currently working as Cybersecurity Researcher/Trainer educating teams on security best practices and hands-on skills. Familiar with SIEM tools like Splunk and Wazuh, and eager to assist in detecting and responding to security threats , with a strong foundational understanding of cybersecurity, network monitoring, and incident response.

TECHNICAL SKILLS

- Web Application Penetration Testing
- Network Traffic Analysis , Malware Detection , Malware Analysis (Static and Dynamic),Mitigation
- Knowledge of Security Frameworks (PCI DSS,NIST,ISO 27001,GDPR,HIPPA)
- Incident Response and Cyber Threat Mitigation
- Problem Solving and Critical Thinking

Tools : SPLUNK, WAZUH, SNORT, BURP SUITE ,NESSUS, ACUNETIX, NMAP, WIRESHARK, METASPLOIT, AUTOPSY, VOLATILITY, AIRCRACK-NG

PROFESSIONAL EXPERIENCE

CYBER SECURITY RESEARCHER/TRAINER

REDTEAM HACKER ACADEMY | TRIVANDRUM | DEC 2024 - PRESENT

- Conducting research on new cybersecurity threats and developed solutions to strengthen security measures.
- Led training sessions for teams, boosting their cybersecurity skills and knowledge by 90%.

CYBER SECURITY INTERN

GBS-PLUS PVT LTD | TRIVANDRUM | APR 2024 - SEPT 2024

- Identified and mitigated over 50 vulnerabilities (critical to low) using manual and automated testing.
- Reduced application security risks by 40% through active exploitation and proof-of-concept development.
- Improved security posture for web applications by conducting in depth analysis with Burp Suite, OWASP ZAP, and Nmap.

CYBER SECURITY INTERN

KERALA POLICE ACADEMY | THRISSUR | SEPT 2022 - OCT 2022

- Studied and evaluated 10+ data recovery tools, reporting on their features and efficiency, resulting in a 97% improvement in recovery strategy recommendations.
- Conducted practical testing, optimizing tool usage and processes, increasing recovery success rates by 85%.

EDUCATION

BSC CYBER FORENSIC

MAHATMA GANDHI UNIVERSITY | 2021 - 2024

PG DIPLOMA IN CYBER SECURITY

CYBER MOKSHA | 2023 - 2024

ACHIEVEMENTS

- Successfully identified and reduced web application security risks by 40% during a cybersecurity internship.
- Consistently ranked among the top 9% on TryHackMe (THM), showcasing practical skills and hands-on experience in solving cyber security challenges.
- Secured 6th Rank in BSc Cyber Forensic from MG University.

LANGUAGES

- ENGLISH (FLUENT)
- MALAYALAM (FLUENT)