

AKSHAY DEV

Cybersecurity Enthusiast

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SUMMARY

Results-driven Cybersecurity professional with a Master's in Cybersecurity and Ethical Hacking and a Bachelor's in Forensic Science. Proficient in malware analysis, vulnerability assessment, penetration testing, digital forensics, and cloud security. Hands-on experience with projects involving secure browser development using security headers, multi-format video steganography, and two-factor authentication implementation. Strong analytical, problem-solving, and technical skills with a passion for information security.

EXPERIENCE

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| Cyber Security Analyst Intern, Theax <ul style="list-style-type: none">Performed VAPT on web apps and infrastructure using tools like Burp Suite, Nmap, and Nessus; documented findings and recommended remediations.Contributed to SOC tasks, CTF event management, and automation scripting in Python to support incident analysis and improve security operations. | 05/2025 – Present
Mangaluru |
| Python Instructor, Caleb Education <ul style="list-style-type: none">Delivered hands-on Python training sessions covering core concepts, data structures, OOP, and real-world project development to diverse groups of learners.Designed and evaluated coding assignments and mini-projects to reinforce practical understanding and improve student proficiency in Python programming. | 01/2025 – 07/2025
Kerala |
| Cyber security Intern, Cyberstanc <ul style="list-style-type: none">Developed tailored cybersecurity solutions by crafting comprehensive technical presentations and demos, effectively aligning with customer needs and showcasing advanced threat detection capabilities.Assisted in configuring and demonstrating security software solutions during client engagements, significantly contributing to successful sales outcomes by addressing technical inquiries and concerns. | 05/2025 – 07/2025 |
| SOC Intern, Nullclass <ul style="list-style-type: none">Gained hands-on experience with basic SOC operations, including monitoring simulated security events and alerts.Learned to use tools like Wireshark and Splunk for analyzing network traffic and detecting potential threats. | 04/2025 – 05/2025 |

EDUCATION

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| Master in Computer Science Minor in Cyber Security and Ethical Hacking,
<i>Yenepoya University</i> | 2025
Mangalore, Karnataka |
| Bachelor of Forensic Science Minor in Cyber Forensics,
<i>Adikavi Nannaya University</i> | 2023
Rajamahendravaram,
Andhra Pradesh |

SKILLS

Cyber Security

Penetration Testing(Burp Suite, Nmap, Metasploit, Wireshark, Netcat, John The Ripper), OWASP Top 10, SIEM, Vulnerability Assessment, Malware Analysis, Encryption, Log Analysis, Firewall, Security Frameworks (ISO 27001/27002, NIST, CIS, PCI DSS)

Programming & DevOps

Python, C, PHP, HTML, Git, GitHub, Docker, Kubernetes

Operating Systems

Linux, Window

Cyber Forensics

Falcon Neo, UFED PC, Amped5, Magnet AXIOM, FTK, Autopsy

Database Management

MySQL, SQLite, Firebase

Networking Protocols

TCP/IP, DNS, HTTP, SSL/TLS, FTP, SMTP

PROJECTS

PacketSleuth, *A Python-based network packet analyzer.*

05/2025 – 06/2025

- Developed a Python-based packet analyzer using Scapy to perform live network traffic capture, PCAP analysis, and anomaly detection for suspicious packet patterns.
- Implemented CSV logging and interactive traffic visualizations using Pandas and Matplotlib to enhance analysis and reporting efficiency.

04/2025 – 06/2025

Security Header Implementation

- Implemented HTTP security headers including Content Security Policy (CSP), HTTP Strict Transport Security (HSTS), and X-Frame-Options to enhance browser-side protection.
- Conducted security testing by attempting bypass techniques such as script injection, iframe embedding, and other client-side attack vectors.

12/2024 – 02/2025

CryptoGuard, *Secure Communication Protocol For IoT Devices*

- Developed a secure Java-based password manager with AES encryption to store and manage user credentials locally with authentication.
- Implemented features like password generation, encryption/decryption, and local database management to ensure data confidentiality and ease of access.

CryptiHide, *A Multiple Format Video Steganography Platform*

- Developed a secure steganography-based platform to hide and retrieve sensitive information within video files of multiple formats, ensuring data confidentiality.
- Implemented encryption techniques and user authentication to enhance the privacy and integrity of hidden data during the embedding and extraction processes.

CERTIFICATIONS

- Make-in-house Hacking and pentesting Lab: EC-Council
- Ethical Hacker: Cisco
- CEH V13: EC Council(completed training)
- Android Bug Bounty: EC Council