

CHALLA AKSHITH REDDY

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PROFESSIONAL SUMMARY:

Results-driven **Cybersecurity Engineer** with hands-on experience in **threat detection, network security, ethical hacking, and incident response**. Skilled in leveraging tools such as **Wireshark, Burp Suite, Splunk, and Nmap** to safeguard enterprise systems. Adept at implementing **VAPT, SIEM monitoring, and risk mitigation** aligned with **NIST & OWASP** standards. Demonstrated ability to integrate **security automation and full-stack development** for scalable, resilient systems.

TECHNICAL SKILLS:

- **Security Tools:** SIEM (Splunk, IBM QRadar), Burp Suite, Wireshark, Nmap, Nessus
 - **Cybersecurity Domains:** VAPT, IDS/IPS, Ethical Hacking (Kali Linux), Malware Analysis, XDR
 - **Programming Languages:** C, Python, Java, SQL, Bash
 - **Networking & Protocols:** Firewalls, TCP/IP, UDP, DNS, HTTP/S
 - **Frameworks & Standards:** OWASP TOP 10, NIST, ISO/IEC 27001, MITRE ATT&CK
 - **Frontend & Backend:** HTML, CSS, Node.js, React.js
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PROFESSIONAL EXPERIENCE:

Cybersecurity & Ethical Hacking Internship

Innovate Intern | February 2025 - June 2025

- Performed **vulnerability assessment and penetration testing (VAPT)** on simulated networks, identifying and remediating over 30 vulnerabilities.
- Utilized **Kali Linux, Burp Suite, and Nmap** for exploitation, reconnaissance, and network scanning.
- Developed and documented **incident response playbooks** improving detection-to-response time by 25%.

Full Stack Web Developer Intern

Main Flow Services and Technologies | April 2024 - June 2024

- Built and deployed **secure, responsive web apps** using React.js, Tailwind CSS, and Node.js + SQL backend.
 - Integrated **authentication & authorization mechanisms**, strengthening data protection and reducing security risks.
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PROJECTS:

Robust Network Security: Utilizing Random Forest and H2O for Intrusion Detection

- Developed an Intrusion Detection System (IDS) utilizing Random Forest algorithms implemented with H2O to classify network traffic as normal or intrusive, enhancing real-time detection and response to malicious activities. Achieved **94% detection accuracy**.

- **Technologies Used:** H2O Machine Learning Platform, Wireshark, Python, MySQL, IDS, Random Forest Algorithm

Blockchain-Powered Anti-Counterfeiting System

- Developed a **blockchain-based supply-chain validation platform** to prevent product counterfeiting using **Ethereum smart contracts** and **QR-code verification**. Used QR codes to link products with blockchain records for authenticity and traceability.
- Ensured end-to-end product authenticity and traceability across distributed nodes.
- **Technologies Used:** Solidity, Remix IDE, Ganache, Ethereum.

EDUCATION:

Bachelor of Technology (B.Tech) – Computer Science and Cybersecurity

MLR Institute of Technology | 2021 – 2025

CGPA: 7.54

Intermediate

Krishnaveni Vikas Junior College | 2020

Percentage: 92.2%

Secondary School Certificate (SSC)

Sachdeva School of Excellence | 2018

GPA: 9.5

CERTIFICATIONS:

- **Cisco Certified Network Associate (CCNA)** - CISCO
 - **Introduction to Cybersecurity Tools and Cyber Attacks** – Coursera
 - **PCAP: Programming Essentials in Python** – Cisco Networking Academy
 - **Programming in C** – Infosys Springboard
 - **Email Etiquette** – Infosys Springboard
 - **Data Analytics with Python** – NPTEL
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PROFRSSIONAL STRENGTHS:

Analytical Thinking | Attention to Detail | Problem-Solving | Team Collaboration |
Adaptability | Integrity | Effective Communication