# SRIHARI D

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## EDUCATION

**KSR IET**                                                                                         Tiruchengode, India
B.E Computer Science and Engineering; GPA: 7.1                        **November 2021 - April 2025**
**KKN Higher Secondary School**                                                        Erode, India
12th; Percentage: 78%                                                              **June 2020 - May 2021**
10$^{th}$; Percentage: 65%                                                        **June 2018 - March 2019**

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## SKILLS SUMMARY

- **Languages**:     Python, C, JAVA
- **Frameworks**:     Pandas, Numpy,  Matplotlib,
- **Tools**:     Metasploit, Burp Suite, Nmap, Aircrack-ng, Wireshark
- **Platforms**:     Kali Linux, Windows, Ubuntu
- **Soft  Skills**:     Rapport Building, Analytical Thinking,  Problem Solving, Excellent communication

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## WORK EXPERIENCE

**CYBERSECURITY INTERN | The Red Users Pvt. Ltd.| LINK**                **December 2024 – January 2025**

- ○ Identified 12+ critical security flaws (SQLi, XSS, CSRF) using OWASP ZAP, reducing manual testing time by 30%
- ○ Strengthened network security with WPA3 encryption and firewall enhancements, cutting unauthorized access attempts by 50%.
- ○ Conducted network traffic analysis with Wireshark, detecting suspicious patterns like DNS exfiltration and recommending improved monitoring.
- ○ Produced 8+ actionable security reports documenting firewall configurations, traffic anomalies, and mitigation strategies such as parameterized queries and CSP headers.

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## PROJECTS

**Intrusion Detection System | LINK**                                        **November 2024–January2025**

- ○ Developed a hybrid CNN-WKNN model for real-time anomaly detection in healthcare IoT, achieving 99.1% accuracy.
- ○ Identified vulnerabilities in smartwatch health data using RT_IOT2022 dataset, with 98.4% precision and 99.9% recall..
- ○ Enhanced data security using AES-256 encryption and HIPAA-compliant protocols, reducing breach risks by 40% in simulated IoT environments.
- ○ Published findings in a peer-reviewed journal, demonstrating 96% accuracy under network stress and 99.9% encrypted data integrity for medical IoT ecosystems.

**Web Bug Hunter | LINK**                                                        **February 2025- May 2025**

- ○ Developed a Python-based automated vulnerability scanner to detect critical web flaws (SQLi, XSS, CSRF), aligning with OWASP Top 10 standards and reducing manual testing efforts by 35%..
- ○ Integrated real-time scanning and severity classification, identifying 15+ vulnerabilities across 10+ web applications, with 95% accuracy in threat prioritization..
- ○ Designed a dynamic reporting module using Python libraries (Requests, BeautifulSoup), generating actionable PDF/CSV reports that accelerated remediation by 40% for development teams.
- ○ Enhanced detection efficiency by 25% through advanced regex pattern matching and payload injection techniques, minimizing false positives to <5%.

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## CERTIFICATES

**Ethical Hacking Essentials (EC-Council)) | CERTIFICATE**                                        **March 2024**

- ○ Mastered ethical hacking techniques (network attacks, SQLi/XSS exploitation) using Nmap and Metasploit, aligning with OWASP Top 10 standards.
- ○ Acquired expertise in penetration testing, vulnerability assessments, and threat mitigation for cloud/IoT systems, enhancing detection accuracy by 25%.

**Cyber Incident Response (INFOSEC) | CERTIFICATE**                                        **March 2024**

- ○ Applied Zeek and Autopsy in real-world scenarios (watering hole attacks, SQLi forensics) to analyze network/host data and eradicate threats.
- ○ Mastered NIST incident response phases  (Preparation to Follow-Up), including containment scoping, evidence preservation with Wireshark/Volatility, and GDPR-compliant recovery workflows.

**Ethical Hacker (Cisco ) | CERTIFICATE**                                        **March 2025**

- ○ Developed a comprehensive understanding of network attack vectors, including penetration testing methodologies, vulnerability exploitation, and defense strategies aligned with Cisco's security frameworks.
- ○ Introduced to Cisco CyberOps tools and intrusion prevention systems (IPS) to identify threats, analyze network traffic, and harden infrastructure against breaches.