

GIRIJA G

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CARRIER OBJECTIVE

As a dedicated Cyber Security student, I am seeking an internship to gain real time industry experience and understand how security practices are applied in practical environments. With a foundation in network security, ethical hacking, risk management, and ongoing learning in full stack development, I aim to enhance my hands-on skills while contributing to protecting systems and data from cyber threats.

EDUCATION

KSR INSTITUTE FOR ENGINEERING AND TECHNOLOGY, TIRUCHENGODE.

2023-2027

B.E Computer Science & Engineering (Cyber Security)

CGPA: 9.17(Still Pursuing)

GOVERNMENT MODEL SCHOOL,KALLAKURICHI.

2022 -2023

Higher secondary (83%)

CORE SKILLS

- Frontend developer-HTML, CSS, Java, Bootstrap, React js
 - Cryptography, Steganography
 - Reverse engineering, kali linux
 - **Operating Systems:** Windows, Linux
 - **Programming language :** C, java ,Python
 - Vulnerability Assessment and Penetration Testing(Beginner)
 - **Security Tools:** Burp Suite, Wireshark, Nmap, Metasploit
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PROJECTS

Project 1: Pong Game

Developed a classic Pong Game using HTML, CSS, and JavaScript, enabling player-controlled paddle movement and real-time gameplay against a computer opponent. Implemented core game mechanics such as collision detection, score tracking, and smooth animations using JavaScript. This project strengthened my understanding of game logic, event handling, and interactive.

Project 2: Phishing Email Detection

Enhanced a Python-based phishing email detection system that analyzes email content to identify potential phishing attempts. Implemented pattern and keyword analysis to detect suspicious links, phrases, and indicators commonly used in phishing attacks. This project created my understanding of cybersecurity concepts, threat detection techniques, and text-based data analysis.

Project 3: IOT-Based Smart Automation System

Planned and Enhanced an IoT-based smart automation system to support silk farming by monitoring temperature, humidity, and power usage using ESP8266 and DHT11 sensors. Executed automatic fan control to maintain optimal environmental conditions while reducing energy consumption. Integrated ThingSpeak for real-time data storage, visualization, sensor readings.

Project 4: Password Strength Analyzer

Password Strength Analyzer A GUI-based Python application that evaluates password strength using entropy calculation, checks against common wordlists, and validates if the password appeared in real-world data breaches.

Project 5: Offline LLaMA Chatbot

Established and expanded a scalable llama based chatbot by containerizing the application using Docker and exposing APIs. Optimized deployment and request handling to achieve approximately 40% faster response times. This project improved my experience with LLM deployment, API development, and containerized microservices architecture.

INTERNSHIPS

1. Finished an internship focused on UI/UX at Stack Queue Education.
 - Figma tool
 - Designed and prototyped intuitive UI/UX workflows in figma that increased user satisfaction scores by 25% and reduced customer reported friction points by 40% during usability testing.
 2. Completed a 3 Month internship focused on CYBER SECURITY(LLM SECURITY) at Cube AI Solutions.
 - AI chatbot using Docker and Llama, cutting average response latency by 30% and improving concurrent user support by 50% through containerized scaling and model fine-tuning.
 - Explored Agentic AI, Guardrails, and flowise AI to implement secure AI workflows and mitigate risks like prompt injection.
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CERTIFICATIONS

- Certified Cyber Security Analyst – **CWL**
 - Cyber Security Job Stimulation – **TATA**
 - Network Security– **Coursera**
 - Certified Cybersecurity Educator Professional-**Red Team Leaders**
 - Oracle Certified Foundation Associate-**Oracle University**
 - Certified Phishing Prevention Specialist-**Hack & Fix**
 - Ethical Hacking-**Eduskills**
 - Advent of Cyber 2023,2025-**TryHackMe**
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ACHIEVEMENTS

- Completed NPTEL “Introduction to industry 4.0 and Industrial Internet of Things” with 81%, awarded Elite + Silver certification.
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HANDS-ON EXPERIENCE

TryHackMe (Legend Level)

- Completed 190+rooms, ranked Hacker (Level 13)
- Hands-on practice with RCE, privilege escalation, memory forensics, and more.

HackerRank

- Actively participating in coding challenges on [HackerRank](#) to enhance problem-solving skills in algorithms, data structures, python, java and C.

PicoCTF Player

- **Link:** https://play.picoctf.org/users/Giri_20

- Actively participated in “Hackathon X” at Bharathidasan University, Trichy.
 - Participated in the Capture the Flag (CTF) competition by GFG Student Chapter - KSRIET, gaining hands-on experience in cybersecurity and problem-solving.
 - Participated in the Women’s Hackathon organized by TANCAM’s TNWISE 2025 at ER. Perumal Manimekalai College of Engineering, Hosur.
 - Participated in the Adobe India Hackathon, organized by Unstop.
 - Participated in Industrial Intrusion CTF on TryHackMe gaining hands-on experience in cybersecurity challenges and industrial control system security.
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ADDITIONAL INFORMATION

- Languages: English, Tamil.
- Hobbies: Learning new technologies