GIRIJA G

Kallakurichi,Tamil Nadu, 605754 | 8610241090 | ggirija2006@gmail.com | linkedin | Github

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%)

GOVERNMENT GIRLS HR SEC SCHOOL,KALLAKURICHI. 2020 -2021
Secondary (All Pass)

CORE SKILLS

- Frontend developer(HTML,CSS,JAVASCRIPT)
- 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

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 web development.

Project 2: Phishing Email Detection

Developed 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 enhanced my understanding of cybersecurity concepts, threat detection techniques, and text-based data analysis.

Project 3: IOT-Based Smart Automation System

Designed and developed an IoT-based smart automation system to support silk farming by monitoring temperature, humidity, and power usage using ESP8266 and DHT11 sensors. Implemented 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: Dockerized LLaMA Chatbot

Designed and deployed a scalable LLaMA-2–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 enhanced my

experience with LLM deployment, API development, and containerized microservices architecture.

INTERNSHIPS
1.Completed a 10-day internship focused on UI/UX at Stack Queue Education.
● Figma tool
● Logo design,Creating a Frontpage of Website.

2.Completed a 15-day internship focused on CYBER SECURITY(LLM SECURITY) at Cube AI Solution.
● Developed an AI chatbot using Docker & LLaMA, learning containerized LLM deployment and security best practices.
● Explored Agentic AI, Guardrails, and Flowise AI to implement secure AI workflows and mitigate risks like prompt injection.

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(Cohort14)**
● Advent of Cyber 2023,2025-**Try Hack Me**

ACHIEVEMENTS

• Completed NPTEL "Introduction to industry 4.0 and Industrial Internet of Things" with 81%,awarded Elite + Silver certification.
• Participated in the IEEE CS Madras Mega ICT Quiz organized by IEEE Computer Society, Madras Section, as part of its 80th Anniversary celebrations.

HANDS-ON EXPERIENCE

TryHackMe (Legend Level)
• Completed 190+rooms, ranked Hacker (Level 13)
• Hands-on practice with RCE, privilege escalation, memory forensics, and more.
• **Link:** https://tryhackme.com/p/GirijaGnanam

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 Adobe in collaboration with Unstop.

ADDITIONAL INFORMATION
  • Languages: English, Tamil.
  • Hobbies: Learning new technologies