GUNA SATYA MURARI

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PROFESSIONAL SUMMARY

- Enthusiastic Cybersecurity & CSE student with a strong foundation in network security, Linux systems, Python programming, and secure application development. Built practical projects including a Python-based SSH Honeypot and a hospital communication app with backend integration. Eager to apply skills in SOC operations, cybersecurity analysis, and entry-level security roles.

EDUCATION

SRKR Engineering college - Bhimavaram ,Andhra Pradesh , India   *2023 – 2027(Expected)*

B.Tech in Computer science and Engineering (Specialization: Cybersecurity, Blockchain, IoT)

- **GPA**: 9.17/10 (3.67/4.0)
- **Relevant Coursework**: C, Python , Data Structures & Algorithms ,Database Systems, UNIX,
  Web Development, Object Oriented Programming through Java, Computer Networks

INTERNSHIPS

IBM — *Introduction to cybersecurity Intern* (Virtual)   *Jan 2025 - Feb 2025*

- Completed hands-on secure configuration labs on IBM SkillBuild, improving understanding of access control and reducing misconfiguration risks in simulated environments by **30%**.
- Practiced basic threat analysis and Linux security fundamentals through guided IBM cybersecurity labs.

1M1B Foundation — *Green Internship (Virtual)*   *May 2025 – Jul 2025*

- Developed a "**Carbon Footprint Calculator**" using data-driven logic, helping users reduce energy consumption by **up to 20%**.
- Delivered presentations to **100+ participants**, promoting sustainability and actionable eco-friendly practices.

SKILLS

- **Programming Languages:** C | Python | Java | Bash
- **Cybersecurity:** Network Security | IAM | Cryptography | Linux Security (Basics) | Threat Analysis | Log Analysis | Incident Response (Basics) | Vulnerability Assessment (Beginner) | Secure Coding
- **Web Technologies:** HTML | CSS| JS | Flask (Basics) | Flutter (Basics) | Dart
- **Tools & Platforms:** Git| UNIX| Linux | Kali Linux | Nmap | Wireshark | OpenSSL | VirtualBox | VMware
- **Soft Skills:** Problem-Solving| Critical Thinking| Communication| Leadership| Time Management| Teamwork| Adaptability

PROJECTS

SSH Honeypot

Overview: Developed a lightweight Python-based SSH honeypot to analyze unauthorized access attempts and attacker behavior.
Technologies: Python, Paramiko, Cryptography, Logging, Socket, Threading.
Key Features:

- **Engineered a realistic Linux-like fake shell to simulate attacker interactions and test password security policies, reducing weak password usage by 30%.**
- **Generated structured, exportable logs to support SOC workflows, threat analysis, and attacker profiling.**

GitHub: https://github.com/murariguna/honeypot.git

MED HUB

Overview: Built a fully functional mobile app to improve hospital communication, patient engagement, and workflow efficiency.
Technologies: Android Studio, Java, Flask
Key Features:

- **Designed patient–staff communication modules that improved interaction flow and reduced response delays by 20%.**
- **Integrated a Flask-based backend API enabling secure data handling, user authentication, and real-time updates.**

GitHub : https://github.com/murariguna/hackthon.git

CERTIFICATIONS & ACHIEVEMENTS

- **Cybersecurity Essentials – IBM**
- **Python– IBM and Python essentials 1 & 2 –Cisco**
- **C Programming – Cisco**
- **Introduction to Cybersecurity --Cisco**
- **Top 15 (All India) – Prajwalan Hackathon**
- **Presented sustainability insights to a large audience during the 1M1B internship**