

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