

# BAVISETTI VENKATA SATYA SAI CHITTIBABU

## Cybersecurity

☎ +91-7659020192 ✉ [Chittibabubavisetti14@gmail.com](mailto:Chittibabubavisetti14@gmail.com) 🔗 [linkedin.com/in/chittibabu](https://www.linkedin.com/in/chittibabu) 🐙 [github.com/Chittibabu14/](https://github.com/Chittibabu14/)

### Summary

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Final-year Cybersecurity student with hands-on experience in network security, web application testing, IAM, Linux, and Python automation. Passionate about offensive and defensive security, threat detection, and solving CTF challenges. Seeking opportunities where I can apply my security skills, learn from industry professionals, and contribute to real-world security operations.

### Skills

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**Technical:** CyberSecurity, Penetration Testing, Networks Security, Vulnerability Assessment, SIEM, Incident Response, IAM, Operating System, OWASP Top 10, Cryptography, Python

**Testing Tools:** Linux, Burp Suite, Metasploit, Nmap, Splunk, Wireshark, Nessus, Acunetix, VS Code, Autopsy, Postman, Hydra

### Experience

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#### AICTE-Eduskills Internship

July 2024 – Sep 2024

*Ethical Hacking Virtual Internship*

- Executed end-to-end reconnaissance and scanning workflows against lab targets using Nmap and Burp Suite; documented findings and generated reproducible exploit steps for instructors
- Performed web application assessments to validate OWASP Top 10 attack chains like (SQLi, XSS, auth flaws) in lab exercises; wrote clear remediation notes for each confirmed issue.
- Automated routine scanning/report parsing tasks with Python to reduce manual triage time in labs (scripted reports + parsing of scanner output).
- Maintained reproducible lab notes and evidence (screenshots, request/response pairs) suitable for handoff to a red-team exercise lead.

### Education

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#### B.Tech Cybersecurity

Graduate in: 2026

*Kakinada Institute of Engineering and Technology College, Koranji*

CGPA: 7.2 / 10

### Projects

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#### Hash Cracker | Python

Aug 2025 – Sep 2025

- Built a modular terminal-based hash-cracking tool that supports MD5, SHA1, SHA256, and SHA512 using Python's `hashlib`; designed for extensibility to add new algorithms..
- Implemented support for multiple hashing algorithms (**MD5, SHA1, SHA256, SHA512**) using Python's `hashlib` library.
- Added clear CLI flags, error handling, and a testing harness to validate algorithm outputs; prepared repository with README and usage examples. **Repo:** [HashCracker](#)

### Certifications

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- **CRTA (Certified Red Team Analyst) – Cyberwarfare (In Progress):** Learning red-team methodologies including reconnaissance, initial access, privilege escalation, lateral movement, and post-exploitation techniques.
- **Fundamentals of Cybersecurity with Kali Linux – IBM SkillsBuild (2024):** Learned what cybersecurity is, how attacks happen, and explored basic tools inside Kali Linux.
- **Computer Hardware Basics – Cisco (2024):** Learned the fundamentals of computer components, how a system works, and basic troubleshooting steps.
- **Networking Basics – Cisco (2024):** Gained an introduction to networking concepts such as IP addresses, routing, switching, and how devices communicate.