Reeti Agarwal

Cyber Security Enthusiast | AI and Machine Learning | CTF Player | TryHackMe | HackTheBox

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INTERNSHIPS

Cyber Blockchain Club
Co-Head of Cyber Security Wing | August 2024 - Present
Facilitated hands-on workshops covering topics such as Linux, Web Penetration, Security Tools and Blockchain to enhance technical expertise. Hosted CTF competitions, reinforcing practical cybersecurity skills and awareness.

Deepcytes
Intern | March 2025 - Present
Conducting research on AI-driven threats, dark web intelligence, and counter-surveillance; supporting legal and policy cases with insights on cyber risks, compliance gaps, and digital forensics.

Rosche System
Intern | Feb 2025 - Present
Research on vulnerabilities. Pentesting.

Cyber Crime Department, Indore
Intern | 16 Dec - 24 Dec 2024
Observed investigations into phishing, QR scams, and WhatsApp hacks. Gained hands-on exposure to digital forensics and social media tracking. Analyzed 10+ cases to inform local cybercrime prevention efforts..

Cisco Virtual Internship
Intern | May - July 2024
Completed hands-on training in networking and cybersecurity fundamentals. Designed secure network topologies and practiced device configurations and troubleshooting using *Cisco Packet Tracer*.

Cyber Secured India Internship
Intern
Gained practical experience in *core cybersecurity concepts*, including system/network security, offensive and defensive techniques, and Linux fundamentals. Applied skills through hands-on labs and real-world simulation exercises.

PROJECTS

AI-Powered Cybersecurity Assistant
Built a private, real-time cybersecurity chatbot using RAG architecture. Integrated local LLM (Ollama), fine-tuned on CVE/tool datasets, with semantic search (FAISS) and automated data updates via web scraping and APIs.

AI driven Customer Behavior Prediction and Fraud Detection
Designed a secure, AI-based system for real-time fraud detection and behavior analysis. Utilized knowledge distillation, time-series RNNs, and explainability tools (LIME) to ensure efficient and transparent decision-making.

Network Intrusion System
Developed a Rule-based Network Intrusion Detection (NID) system incorporating real-time packet inspection, slashing network breaches by 15% and flagging 200+ suspicious packets daily.

OSINT Automation Tool
Building an automated OSINT framework to gather and correlate data from WHOIS, Shodan, and social media via APIs, web scraping, and browser automation for threat analysis and digital profiling.

EDUCATION

BTech in Computer Science and Engineering
Symbiosis Institute of Technology, Pune
Score: 7.7/10

SKILLS

OWASP | Network Security | Digital Forensics | Cryptography | OSINT | SIEM Tools | Ethical Hacking | Web-Pentesting | Ollama | ML | Linux |

CTF AND WORKSHOPS

NPIIPC-AICTE Pentathon 2025
Rank: 500 out of 3500 | 5th-6th April 25

Digital Forensics, Nessus, Splunk Bootcamp
Cyber Secured India

CERTIFICATES

Google cybersecurity Professional Certificate
Coursera

Cisco Cyber Security Course
Cisco

OPSWAT Academy Certifications
OPSWAT

KEY ACHIEVEMENT

2nd Position in Women's CTF
IITB Trust Lab | *29th March 2025*

3rd Position in CTF
IIT Jammu | 11th April 2025

2nd Position in Cyber Security and Blockchain Hackathon
Cyber Secured India and India Blockchain Alliance | *15th-18th September 2023*

Quantum Computing Odyssey: Teleporting to the Realm of Unparalleled Possibilities
Research Paper Published in 2024 International Conference on ADICS.