

ANURAG KUMAR SINGH

SOC Analyst | Security Analyst | Entry-Level Cybersecurity

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Professional Summary

Aspiring cybersecurity professional with hands-on experience at Indian Cyber Crime Coordination Centre (I4C), Uttar Pradesh. Skilled in OSINT investigations, network traffic analysis, threat detection, and incident response, with **100+ completed TryHackMe labs**. Certified by Cisco, TCS, and Python Institute. Seeking entry-level roles in **SOC Analysis, Network Security, or Penetration Testing**.

Technical Skills

Security Tools: Nmap, Wireshark, Burp Suite, Metasploit, Nessus, Splunk(SIEM), OSINT Tools

Networking: TCP/IP, OSI Model, Subnetting, DNS, DHCP, VPN, NAT, Firewalls, IDS/IPS, Packet Analysis

Operating Systems: Kali Linux, Ubuntu, Windows

Security Concepts: Vulnerability Assessment, Penetration Testing, SIEM, Log Analysis, Threat Detection, Digital Forensics

Programming / Scripting: Python, C, Bash

Web & Cloud: HTML, CSS, JavaScript, AWS (Basics), Virtualization, Git

Professional Experience

Indian Cyber Crime Coordination Centre (I4C)

Cybersecurity Intern | Jan 2026 – Feb 2026 | Uttar Pradesh (On-site)

- Performed OSINT investigations using tools like Shodan, theHarvester, and SpiderFoot to gather website, IP, and domain intelligence.
- Conducted detailed analysis of IPDR, CDR, MAC address data, and tower dumps to trace digital footprints and identify threat patterns.
- Utilized Wireshark and Nmap for network traffic analysis, reconnaissance, and threat identification in live case scenarios.
- Analyzed 20+ cybercrime cases, contributing to identification of attacker techniques, digital footprints, and attack vectors.

TCS Forage — Virtual Internship Program

Cybersecurity Virtual Intern | April 2025 | Remote

- Completed hands-on simulation tasks on Identity and Access Management (IAM), including user roles, authentication, and access control concepts.
- Analyzed real-world security scenarios and recommended mitigation strategies aligned with industry best practices.
- Explored enterprise security architecture and applied access control mechanisms in simulated environments.

Key Technical Projects

Port Scanner (GitHub)

Python • Socket Programming • Multithreading • Rich

- Engineered a high-performance port scanner in Python to perform concurrent TCP port scanning across custom ranges and common port sets.
- Integrated service mapping and banner grabbing to improve visibility into open ports and running services.
- Created a visually enhanced terminal interface using Rich for real-time progress tracking and structured scan result presentation.
- Demonstrated practical understanding of socket programming, network reconnaissance, and performance-focused scripting.

Secure Home Network Design (Cisco Packet Tracer)

TCP/IP • Subnetting • Routing • Switching

- Designed and implemented a secure home network using Cisco Packet Tracer with routers, switches, and multiple host devices.
- Configured IP addressing and subnetting to enable efficient communication between network devices.

- Set up routing to allow connectivity between local network, headquarters network, and internet access.
- Performed device configuration, basic security setup, and troubleshooting to ensure stable and secure network operation.

TryHackMe Labs

Networking • Linux • OSINT • Web Security • Security Analyst • Penetration Testing

- Completed 100+ hands-on cybersecurity labs covering networking fundamentals, Linux systems, and security concepts.
- Participated in **Advent of Cyber 2025**, solving 24 real-world cybersecurity challenges across multiple domains.
- Performed network enumeration, basic vulnerability analysis, and system reconnaissance using practical tools and techniques.
- Practiced Linux command-line operations, privilege escalation basics, and security analysis in guided lab environments.

Certifications

- Cisco — Introduction to Cybersecurity
- Cisco — Networking Basics
- Python Institute — Python Essentials 1 & Python Essentials 2
- TryHackMe — Pre Security
- TryHackMe — Advent of Cyber 2025

Education

Bachelor of Technology (B.Tech) — Computer Science and Engineering
Institute of Technology and Management, Gorakhpur (AKTU)

Nov 2022 – May 2026

Intermediate

J.P. Education Academy

71%

2021 – 2022

High School

J.P. Education Academy

82%

2019 – 2020

Languages

Hindi — Native

English — Professional Working Proficiency