Aditya Singh

 Aditya-pix | aditya-singh-8a1270252 | adityasinghofficial63@gmail.com | +91 9616738465

CAREER OBJECTIVE

Aspiring Cybersecurity Analyst with a strong foundation in network security, risk management frameworks (NIST, RMF & CSF), and system hardening. Skilled in Linux, Python, Shell scripting, and SQL, with hands-on project experience in proactive threat detection, incident response, and vulnerability management. Long-term goal: advance into Ethical Hacking and penetration testing.

EDUCATION

2022 - 2026	Bachelor of Technology(B.Tech) in Computer Science and Engineering(Cyber Security) at **Pranveer Singh Institute of Technology, Kanpur**	(GPA: 7.7/10)
2021	Class 12th, CBSE	(69.8 %)
2019	Class 10th, CBSE	(66.33 %)

SKILLS

Programming Languages:	C/C++, Python, Bash(Basic).
Cybersecurity Tools :	Wireshark, Nmap, Burp Suite, Metasploit.
Concepts :	Cryptography, Cyber Security, Threat Modeling, Identity and Access Management(IAM) OWASP TOP 10, OSINT, Recon, Firewall, SIEM, SOAR.
Operating Systems :	Windows, Linux (Ubuntu, Kali Linux).
Others:	Git, GitHub, SQL.

PROJECTS

Encrypted Password Manager   Encrypted-Password-Manager

Developed a password manager in Python with secure storage/retrieval of credentials using cryptography (Fernet) for encryption, hashlib for master password hashing, and getpass for hidden input; implemented login/registration via CLI, stored encrypted data in JSON, and integrated pyperclip for clipboard support.

IP Geolocation Tool   IP-Geolocation-Tool

Built an IP geolocation tool in Python using ipinfo API to fetch IP details, displayed results on Google Maps and an interactive folium map, automated map generation with webbrowser, and implemented JSON parsing for location-based insights.

DoS Attack Detection and Mitigation

Simulated various Denial-of-Service attacks using LOIC/Hping3.
Implemented detection algorithms and basic mitigation strategies.

EXPERIENCE & JOB SIMULATIONS

Tata Cybersecurity Security Analyst Job Simulation on Forage - August 2025

CERTIFICATIONS   VIEW ALL

Foundations of Cyber security	Google
Connect and Protect: Networks and Network Security	Google
Hands-on Introduction to Linux Commands and Shell Scripting	IBM