

VAISHALI TRAMA

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SUMMARY

Motivated and detail-oriented aspiring professional, actively pursuing a role to apply my technical knowledge in programming and security practices. Eager to contribute to cybersecurity projects focused on risk mitigation and secure system design while continuing to grow my expertise in safeguarding digital environments.

EDUCATION

Bachelor of Computer Application

2022- 2025

Delhi Skill and Entrepreneurship University | Kasturba DSEU Pitampura Campus

SKILLS

- **Technical Skills:** Python, Operating System, Networking, Network Security, Cyber Security, Kali Linux, Security Principles, Access Control Concept, Cloud Computing, Linux Programming, Steganography, Encryption, Decryption, Firewall, Information Gathering, Scanning, Vulnerability Analyst, Machine Learning, My SQL, HTML, CSS, Java Script, Supervised and Unsupervised Learning, Regression, Classification, Clustering, Information Security.
- **Tools:** WhatWeb, OSINT tools(OSINT Framework, The Harvester, Nmap, etc), Metasploitable, OWASP Hackademics, OWASP Web Goat.
- **Soft Skills:** Written and Verbal Communication, Problem Solving, Team Work, Adaptability, Presentation Skills.
- **TryHackMe** modules (Offensive Security, Defensive Security, Search Skill, Linux Fundamentals) – gives hands-on Experience.

EXPERIENCE

Cyber Security | Edunet Foundation (AICTE Internship)

January 2025 –February 2025

- Developed a Python-based secure data hiding system using steganography with OpenCV to securely hide and retrieve messages by modifying pixel values for encryption and decryption.
- Implemented a passcode-based decryption system to ensure authorized access to hidden data.

Data Visualization Job Simulation | Tata Consultancy Services

Dec 2024

- Created data visualizations to support executive decision-making.
- Delivered insights through effective data analysis and visual storytelling.

Cybersecurity Analyst Virtual Job Simulation | TCS

Dec 2024

- Completed a cybersecurity job simulation with Tata Consultancy Services, gaining hands-on experience in Identity and Access Management (IAM) Implementation and security best practices.
- Developed technical documentation and presentations.

Cybersecurity Internship | IEEE Women in Engineering and Clique (Internship)

June 2023 – July 2023

- Developed a secure web guard login page to ensure robust user authentication.
- Utilized HTML for interface creation, CSS for styling, JavaScript to establish backend-frontend connectivity, and employed XAMPP for comprehensive testing.

PROJECTS

City-Wise Cybercrime Prediction Using Logistic Regression:

- Developed a logistic regression model to predict city-wise cybercrime occurrences, analyzing trends and enabling resource prioritization through data-driven insights from a cleaned and processed dataset.

Cyber Management System:

- Developed a Cyber Management System with user authentication, record management, and malicious activity detection, improving cybersecurity through efficient monitoring and management.

Caesar cipher decoder:

- Created a Python-based Caesar cipher decoder using character shifting to decrypt messages, showcasing cryptographic techniques and helping users grasp fundamental encryption principles effectively.

CERTIFICATIONS

- Cyber Security Fundamentals from IBM Skills Build.
- Security Principles, Network Security, Incident Response and Disaster Recovery Concept, Access Control Concept from ISC2.
- TCS Code Vita Season 12 Global Coding Contest

ACHIEVEMENTS

- Taught underprivileged student in NGO, contributing to their educational development and helping improve their academic performance
- Organized and hosted college cultural fest, a prominent event, demonstrating strong leadership and organizational skills.