

# Vansh

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## EXPERIENCE

### Information Security Analyst

Max Conformance

Sep. 2023 – Present

- Acquired knowledge about information security, compliance, and risk management.
- Managing infosec compliance with standards like ISO/IEC 27001:2022 for other companies by developing policies & procedures, conducting risk assessments and giving security awareness training.
- Contributing to product development by planning for features and collaborating with the development team.

### Java Developer

CodSoft | [Github](#)

Aug. 2023 – Aug. 2023

- Worked on foundational Java programming tasks, gaining familiarity with core concepts.
- Implemented basic Java programs to solve simple problems.

## EDUCATION

### Bhagwan Parshuram Institute of Technology

CGPA : 9.351/10

Bachelor of Technology in Computer Science

Nov. 2021 – Jun. 2025

**Coursework:** Data Structures and Algorithms, Object-Oriented Programming, Computer Networks, Operating System, Database Management System, Software Engineering

## CERTIFICATIONS

### Google Cybersecurity Professional Certificate

Cert. ID - FNHXLPIXAW6LA

Coursera

Apr. 2024

- Developed understanding of security principles, network protocols, and practical application of Linux, SQL, and Python.
- Explored dynamics of assets, threats, and vulnerabilities, gaining insight into cybersecurity risk management.
- Employed packet capture for anomaly detection, and learned about IDS, IPS, and SIEM tools for security monitoring.

### Cyber Defense Engineering Using Python

Cert. ID - 21216/2023

CyberVidyapeeth Foundation

Sep. 2023

- Completed an 80-hour live Python programming training program.
- Focused on cyber defense strategies, automation, and scripting.

**Upcoming:** Certified Appsec Practitioner(CAP) by The SecOps Group

## PROJECTS

### Ticket Management System | [Django](#) | [Github](#)

- A web application designed as an Incident Manager for small organizations.
- Developed functionalities for Customers to create and view tickets, and for Engineers to manage, track, and resolve tickets.
- Created visual components to compare different ticket statuses and track ticket resolutions over time.

### Timing Based Covert Channel | [Python](#) | [Github](#)

- Developed a proof of concept for a timing-based covert channel to demonstrate covert communication techniques.
- Encoded data in binary and transmitted it via HTTP requests, using network latency to infer information from timing gaps.
- Enabled data reconstruction on the server by measuring time intervals between requests for accurate decoding.

### CyberArmory | [Python](#) | [Github](#)

- Developed a cybersecurity tool designed to be used from the Command Line Interface (CLI).
- Implemented tools like Password Crackers (Dictionary and Bruteforce), WHOIS and IPWHOIS Lookups, SYN Flood, VirusTotal Scan, Recursive Directory Lister, and IP Geolocator.

**Practice Projects:** [File Integrity Monitor](#) | [Bandwidth Monitor](#) | [Port Scanner](#)

## SKILLS

**Cybersecurity:** Risk Assessment and Management, Policy and Procedure Development, Security Standards and Frameworks, Information Security Management, Threat Detection and Mitigation, Application Security

**Programming Languages:** C++, Python, Java

**Web Development:** HTML, CSS, JavaScript, Django

**Tools:** Linux Shell(Bash), PowerShell, Command Prompt (cmd), Git

**Soft Skills:** Attention to Detail, Problem-Solving, Critical Thinking, Leadership, Communication, Adaptability

## MILESTONES

[Profile](#) | **Currently Ranked in Top 6% on TryHackMe** - Primarily working on improving VAPT skills

[Medium](#) | **Discovered IDOR in College's Third Party ERP** - Uncovered a vulnerability to access student records (SPII).

**Ranked in Top 3 in Ideation Challenge at IIT Jammu** - Devised a solution for tracking police officers, ensuring their presence at assigned duty locations to mitigate theft and improve law & order.