

Shaswat Manoj Jha | CEHv12

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Professional Synopsis:



A Certified Ethical Hacker (CEH) and an experienced information security professional, specializing in **IT Governance, Risk Management, and Compliance (GRC)** audits. Successfully executed projects involving **ISMS, ITGC, ITAC, Segregation of Duty (SOD), Data Leak Prevention (DLP)**, and regulatory compliance based on **NIST 800-53** and **ISO 27001**. Possess a comprehensive understanding of principles and requirements in **PCI-DSS, ISO 22301, ISO 31000, BASEL III, CRD IV** and **COPPA** frameworks.

Proactive problem solver dedicated to strengthening security measures and protecting critical assets in alignment with organizational security objectives. Skilled in conducting audits, identifying risks, and providing actionable recommendations to ensure compliance with regulatory and industry standards.

Driven by a commitment to continuous improvement, I possess a strong understanding of client requirements and preferences, which has enabled me to tailor excellent service and maintain exceptional client satisfaction. Some of the major clients served include **Niva Bupa Health Insurance, Bajaj Allianz, Alliance Insurance Brokers** and **VFS Global**.

Proficient in drafting information security policies and configuring/maintaining **SIEM** tools like **Splunk** for prompt **incident management**. Additionally, adept in **Database Management System (DBMS), SQL, data science**, and programming languages like **PHP, Python, C, and C++**.

Career Objective:

I aim to leverage my interpersonal, management and technical skills to make a meaningful and high-quality contribution to the success of my organization. I'm seeking a vibrant and supportive work environment, where positivity thrives, challenges are embraced, and growth is a constant priority.

I firmly believe that my quick learning ability and consistent curiosity propels me forward in the field of Information Security and I'm looking for an organization that can provide me with ample opportunities to channel my skills allowing me to contribute to the advancement of the industry.

Work Experience:

➤ Consultant 2 – IT Internal Audit at Protiviti

June 2023 – Present

IT General Controls (ITGC), IT Application Controls (ITAC) and Information Security audit:

- ✓ Conducted IT policy and procedure reviews, ensured IT assurance and conducted internal audits to achieve compliance with relevant industry regulations, risk standards and security guidelines such as **ISO 27001, ISO 22301, PCI DSS**, and **NIST CSF**.
- ✓ Executed **IT General Controls (ITGC)** audits to assess and ensure compliance with industry standards and regulatory requirements.
- ✓ Evaluated IT operations, including **backup management, patch management, change management, antivirus controls, data leak prevention (DLP)** and **privileged user access management**.
- ✓ Assessed IT application controls (ITAC) for **user access management, change management, software functionality testing, business continuity plan, disaster recovery plan, VAPT** scope and frequency, customer data (PII) security and **log management/monitoring**.

➤ Senior Analyst at Nangia and Co.

June 2022 – June 2023

IT General Controls (ITGC) and Segregation of Duty (SOD) audit:

- ✓ Identified gaps in user access management to mitigate risks of unauthorized access to critical internal applications and provided recommendations to enhance the design and effectiveness of existing IT policies and controls.
- ✓ Conducted internal audit of **change management, patch management, incident management, User Access Management (UAM)** and **Segregation of Duty (SOD)** controls.

Data Security Assessment, Endpoint Review and DLP Testing:

- ✓ Conducted a comprehensive review of 15 internal applications to understand the flow of data and identify potential data leakage points.
- ✓ Identified procedural gaps through collaboration with department heads and ground staff to identify and mitigate risks of customer personally identifiable information (PII) leakage.
- ✓ Designed data flow diagrams using **Microsoft Visio** to visualize the end-to-end flow of customer PII from across staff, systems, and applications throughout the organization, based on collaborative efforts and interviews with all departments.
- ✓ Conducted a physical inspection of the telesales floor to identify **social engineering** vulnerabilities and other physical data leakage avenues.
- ✓ Assessed endpoint security on employee PCs and identified several gaps in **Data Leak Prevention (DLP)** rulesets. Further, based on the findings provided recommendations to strengthen the DLP and prevent unauthorized data extraction.
- ✓ Successfully conducted an on-site **vendor risk management** exercise by visiting the client's vendor and identifying significant gaps pertaining to the client's data security.
- ✓ Prepared a detailed 110-page report outlining process gaps, technical findings, and recommended mitigation strategies for HODs and ELT's perusal.

Audit Based on NIST Cybersecurity Framework for IRDAI Compliance:

- ✓ Collaborated with the Chief Information Security Officer (CISO) to review the implementation of ISO 27001 and facilitate alignment with **IRDAI** guidelines by tuning systems and implementing necessary controls, ensuring compliance with both **ISO 27001** and **NIST CSF** standards.
- ✓ Enhanced the **Information Security Management System (ISMS)** by configuring system hardening and implementing threat mitigating controls such as incident logging and monitoring, multi-factor authentication, password policy and user access management throughout the IT infrastructure.
- ✓ Assisted the IT team in conducting endpoint reviews and tabletop exercises related to incident management and disaster recovery.
- ✓ Drafted new and refined existing information security policies such as **Cyber Crisis Management, Disaster Recovery, Business Continuity, Change Management, Acceptable Use, Asset Management** and **Incident Response** to meet regulatory (IRDAI) requirements.
- ✓ Conducted **Business Impact Analysis (BIA)** and designed tools/frameworks such as risk register, software inventory, asset inventory, lessons learnt tracker and endpoint security testing template.

➤ **Data Science & Business Analytics Intern** **December 2020 to January 2021** **at The Sparks Foundation, Singapore (Online)**

- ✓ Utilized BI tools (**Tableau & PowerBI**) and visualization libraries (**Matplotlib & Seaborn**) to analyze unstructured data, identify patterns, and design informative dashboards.
- ✓ Employed linear regression techniques to predict students' exam scores based on their daily hours of study. [\[View Project\]](#)

➤ **Advanced Dynamic Application Security Testing Intern** **June 2020 to August 2020** **at Tata Consultancy Services (TCS)**

- ✓ Worked on various manual **Dynamic Application Security Testing (DAST)** techniques and automated tools such as **Burp Suite, SQL Map** and **OWASP Zap**, to successfully identify and address security vulnerabilities in various web applications.
- ✓ Identified vulnerabilities such as SQL Injection, XSS, Broken Authentication, Broken Access Control, Security Misconfiguration, and Sensitive Data Exposure.
- ✓ Secured 84% marks in the final internship project assessment. [\[View Project\]](#)

Achievements:

- Scored **100%** marks and received the title of "**Top Performer**" in Internshala's Ethical Hacking Training.
- In pursuit of completing the "College Finder" project, single-handedly managed a **team of 15 freelancers** to refine the data scraped via BeautifulSoup and enhance its accuracy and reliability.
- Scored **195 out of 200** in the "**Cyber Crime Awareness**" exam, under Mission Shakti, UP Government.

Notable Personal Projects:

- Using tools such as **Nmap**, **Burp Suite**, **SQL Map**, **Nikto** and **OWASP ZAP**, tested an eCommerce website for vulnerabilities such as **SQL Injection**, **XSS**, **IDOR** & **CSRF** and drafted an industry-standard **Vulnerability Assessment and Penetration Testing (VAPT)** report of 126 pages. [\[View Project\]](#)
- Using **Python**, **BeautifulSoup**, **Pandas**, **SQL** and **PHP**, created a web platform “College Finder” which provides complete details of over 14k colleges including complicated data such as distance from nearby colleges, list of colleges offering similar courses and other calculative data. [\[View Project\]](#)

Education:

Degree / Program	Institution	Year
MBA – Information Technology and Financial Management	Swami Vivekananda Subharti University, Meerut (Distance)	2022 – 2024 (Pursuing)
B.Tech – Computer Science and Engineering (81%)	Madhyanchal Professional University, Bhopal (Full-Time)	2018 – 2022
B.Sc. – Data Science and Programming	Indian Institute of Technology Madras, Chennai (Online)	2020 ~ 2025 (Self-Paced)

Trainings:

Training	Institution	Date
Cybersecurity Management (5 Weeks)	Charles Sturt University	April 2023
Cybersecurity and Digital Forensics	Indian Institute of IT (IIT), Kota	November 2022
The Data Scientist’s Toolbox	Johns Hopkins University via Coursera	August 2021
Cisco – Cybersecurity Essentials	Cisco Networking Academy	March 2021
Certified Network Security Specialist (CNSS)	International Cybersecurity Institute (ICSI)	February 2021
Python 101 for Data Science	IBM	June 2020
Data Science Training (6 Weeks)	Internshala Trainings	June 2020
Ethical Hacking Training (8 Weeks)	Internshala Trainings	May 2020
Advanced Python Programming	College of Computer Ed., Jamshedpur	July 2019

Certifications:

- Certified Ethical Hacker :: CEHv12 – EC Council (Score - 92%)
- ISO/IEC 27001 Information Security Associate – SkillFront
- ISO/IEC 20000 IT Service Management Associate – SkillFront
- Cybersecurity Foundation – CertiProf
- ISEA Certified Cyber Hygiene Practitioner – Ministry of Electronics & IT (MeitY), Govt. of India

Soft Skills:

- Team Leadership
- Self-Directed
- Proactive Initiator
- Googling Expert
- Selling & Negotiation
- Critical Thinking
- Innovative
- Growth Oriented

Personal Information:

- D.O.B** - 22nd November 2000
Current Address - Malad East, Mumbai, Maharashtra
Linguistic Abilities - Hindi, English & Maithili

“I hereby conclude that the above furnished information is completely true to the best of my knowledge.”


Signature
Shaswat Manoj Jha