

PRATIK ASHOK PARANJAPE

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SUMMARY

Cybersecurity Engineer & IT Auditor with a Master's in Cybersecurity, skilled in risk assessment, compliance (NIST, ISO 27001, HIPAA), and network defense. Proven ability to translate complex security requirements into actionable strategies that strengthen resilience and protect business operations.

CERTIFICATIONS

CompTIA SecurityX (formerly CASP) – September 2025

CompTIA Cybersecurity Analyst+ – April 2024

Microsoft Technical Associate: Security Fundamentals

EDUCATION

M.Sc. in Cybersecurity – Syracuse University, New York – May 2020

B.E. in Computer Science – University of Mumbai, Mumbai – May 2017

EXPERIENCE

Sr. Engineer, Product Cybersecurity Becton Dickinson & Co. July 2025 to Present

- Conducted security assessments to counter cyber threats, reducing system vulnerabilities.
- Improved secure code integrity and compliance with industry standards.
- Resolved product and service issues, enhancing quality and customer satisfaction.
- Developed automation scripts, streamlining security processes and boosting efficiency.
- Executed audits and compliance strategies, ensuring full regulatory adherence.
- Strengthened team collaboration, improving project productivity and outcomes.

Sr. Engineer, Product Cybersecurity Edwards Lifesciences Jan 2023 to July 2025

- Performed cybersecurity assessments to mitigate threats and reduce vulnerabilities.
- Enhanced code security and compliance with NIST, ISO 27001, and HIPAA standards.
- Resolved quality issues, improving customer satisfaction and QA performance.
- Created automation scripts to streamline workflows and increase efficiency.
- Executed audits and compliance strategies, achieving 100% regulatory adherence.
- Directed cross-functional projects, improving collaboration and productivity.

Cybersecurity Auditor Discover Financial Services Jan 2021 to Jan 2023

- Conducted audits to identify risks, mitigate threats, and strengthen system resilience.
- Audited IT systems for performance and compliance, improving reliability and efficiency.
- Managed documentation and reporting, delivering clear data analysis to support decisions.
- Oversaw compliance management, ensuring regulatory alignment and reducing legal risks.
- Performed risk assessments, developed vulnerability minimizing strategies to safeguard assets.
- Facilitated cross-department collaboration, improving communication and organizational productivity.

Cybersecurity Engineer Intern OthersideAI May 2020 to Jan 2021

- Implemented innovative security solutions, enhancing defenses and reducing vulnerabilities.
- Managed and resolved security incidents, minimizing impact and preventing recurrence.
- Proactively mitigated threats and vulnerabilities, strengthening overall system security.

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- Developed and enforced security policies, ensuring compliance with regulatory standards.
- Fostered cross-team collaboration, improving effectiveness of security strategies.

Cybersecurity Analyst

Promptous Inc.

May 2018 to May 2020

- Managed security threats and vulnerabilities, implementing solutions that reduced cyber-attack risks.
- Led incident response for breaches, minimizing impact and preventing recurrence.
- Developed and enforced security policies, ensuring compliance with legal and industry standards.
- Delivered security awareness training, improving staff competence in cybersecurity practices.
- Oversaw compliance reporting, meeting all regulatory and audit requirements.
- Designed and implemented security architectures, strengthening system resilience and integrity.

SKILLS

Cybersecurity & Regulatory Compliance:

FedRAMP, NIST 800-53, ISO 27001, SOC2, HIPAA, FDA Pre-Market & Post-Market Guidance.

Infrastructure Security:

DFIR, Threat Hunting, Risk Assessment, Vulnerability & Patch Management, Cybersecurity Testing.

Networking:

TCP/IP, Routing Protocols, Architecture Decomposition, Firewall Configuration.

Programming Languages & Tools:

Python, Java, C/C++, Wireshark, Nessus, Metasploit, Lynis, BurpSuite, Bash, PowerShell.

Systems:

Linux, Windows, Virtualization, VPN

Audit & Documentation:

Audit Readiness, Risk Registers & Management, Compliance Dashboards, Security Policies.

PERSONAL PROJECTS

Retrieval-Augmented Generation (RAG) Data Poisoning Simulator

Python project to demonstrate the attacker techniques (data poisoning) and countermeasures (Outlier Detection, LLM self-audit, etc.) that can be used by attackers to corrupt the Vector DB of an LLM that uses RAG.

Automated Cybersecurity Risk Assessment Tool

Python project to automatically perform cybersecurity risk assessment of medical technology devices and identify the correct STRIDE categories, Exploitability, Patient Harm, Severity of Harm and Cybersecurity Risk using LLM and RAG.