

Rishipal Yadav

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May 2024 graduate seeking full-time opportunities in Cybersecurity!

Education

3.966/4.0 **Master of Engineering in Cybersecurity**, University of Maryland - College Park | Maryland, USA 2022-2024
8.44/10 **Bachelor of Technology in Computer Engineering**, SVNIT, Surat | Gujarat, India 2015-2019

Achievements: (ISC)2 Cybersecurity Graduate Scholarship | RSA Security Scholar '24

Community Contribution: Volunteer at (ISC)2 | NotYourCISO: a cybersecurity blog on medium.com

Experience

PricewaterhouseCoopers (PwC), Cybersecurity Consulting Intern | Washington, DC June 2023 - Aug 2023

- Built Proof of Concepts for various Microsoft Azure services and BigID integration in a lab setup across diverse data sources (structured, unstructured) for data discovery and with Microsoft Purview for data sensitivity labelling for a Fortune 150 client's Data Governance and Protection Program.

Cyble, Senior Cybersecurity Specialist | Bangalore, India Dec 2021 - Aug 2022

- Led the successful implementation of ISO 27001:2013 standard for Information Security Management Systems (ISMS) as the **Information Security Officer**.
- As a result of ISMS implementation, pioneered and managed a comprehensive Vulnerability Management Program, Incident Response Process, and Asset Exposure Monitoring, ensuring continuous assessment of the organization's security posture.
- Fostered security-conscious culture, conducted awareness training for 100+ employees, collaborated with cross-functional teams on best security practices, and ran phishing simulations to enhance cybersecurity.

HSBC, Software Engineer | Pune, India July 2019 - Dec 2021

- Managed end-to-end development of Digital Security Platform back-end for iOS and Android mobile banking app on the Google Cloud Platform/ on-premise for secure authentication, authorisation and trusted device management.
- Earned Secure Code Warrior - White, Yellow, and Orange belt certification for detecting and mitigating security risks in Java JSP-based software development including OWASP Top 10 web application security risks.
- Nominated as a **Cyber Champion** of the department.

Maryland English Institute, Lab Technician | College Park, Maryland Jan 2023 - Present

- Managing MEI's IT and Network infrastructure (25+ devices) and providing tech support to 20+ staff and students.
- Simplified the existing technology infrastructure by migrating the on-premise infrastructure to cloud based campus AD and on-boarded to Microsoft Intune for security and compliance.

Projects

Design Thinking Project Studio: Innovative way to design security awareness training Jan 2024 - Present

Academy for Innovation & Entrepreneurship

- As a part of AIE Innovation Fellowship at UMD, I am working on applying design thinking/ innovation tools to revamp security awareness training for effective learning.

A study of collaboration between private and government sector for a broader cyber defense Jan 2024 - Present

ENPM808: Independent Study

- Exploring cybersecurity frameworks and ecosystem, while using computational methods to analyze pipeline data and assess strategic risks of potential attacks.
- Utilizing computational techniques to model pipelines in a US Department of Energy Protected Area Asset District (PAAD) and estimate attack impacts using the Strategic Disruption Index (SDI) for US pipeline infrastructure.

Incident Response - WordPress website hack October 2023

[Redacted]

- Investigated and responded to a WordPress website (with php) hack that happened due to a vulnerable plugin.

Attack Surface Management Dashboard for Maryland counties Aug 2022 - May 2023

School of Public Policy, UMD

- Developed an attack surface management dashboard for open ports for public websites for Maryland counties using Python, Elastic-Search database and Censys Search APIs.
- Publication:** Harry, C., Sivan-Sevilla, I., McDermott, M., **Yadav, R.**, & Daley, A. (2023, July 7). Measuring the Integrated Cyber Attack Surface Across US County Government Networks. <https://doi.org/10.31219/osf.io/hf3sn>.

Analysis of Lockheed Martin Kill Chain from attacker's and defender's point of view Jan 2023 - May 2023

ENPM697, UMD

- Analysed how an attacker can attack and how a defender can put countermeasures in stages of the Lockheed Martin Kill Chain attack life cycle with an emphasis on STRIDE threat modelling using a vulnerable application.

Skills

Certifications GCP-ACE, Associate of (ISC)2 [provisionally passed CISSP], GSEC, CCSK

Programming & Web Python, C, Java, Git, Bash, LaTeX, HTML5, CSS, Javascript, MySQL, MongoDB

Cloud Platforms Google Cloud Platform (GCP), Amazon Web Services(AWS), Microsoft Azure (AZ)

Tools Wireshark, Burp Suite, John The Ripper, Hydra, Nmap, Nessus, ZAP, Metasploit, GoPhish, Terraform

Security Knowledge Purview GRC, Security Engineering & Operations, OSINT, Threat Modelling, Cloud Security, GenAI Security