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](https://www.rsaconference.com/rsac-programs/security-scholar)

**Community Contribution:** Volunteer at (ISC)2 | [NotYourCISO:](https://notyourciso.medium.com/) 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 Re‑ sponse 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](https://www.credential.net/08449ecc-5c48-4fd9-9af7-1d5ae4062509), [Associate of (ISC)2](https://www.credly.com/badges/f235814a-7dc4-4e5a-a23e-8c14c2f789fc?source=linked_in_profile) [provisionally passed CISSP], [GSEC](https://www.credly.com/badges/00fffe98-b32e-478d-a3fe-11b99a5c2f6d/linked_in_profile), [CCSK](https://www.credly.com/badges/fc4a0a4e-19fd-483c-a044-fbbf209b83d3/public_url)

**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