

Rishipal Yadav

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EDUCATION

- **University of Maryland, College Park** College Park, Maryland
Master of Engineering in Cybersecurity May 2024
Courses: Cloud Security, Hacking of C programs and Unix Binaries, Secure Software Testing and Construction, Reverse Software Engineering, Digital Forensics and Incident Response, Secure Operating Systems
(ISC)² Graduate Scholarship: Recipient of (ISC)² graduate scholarship for pursuing graduate education in cybersecurity. Only up to 20 scholarships were awarded. (June 2022)
RSA Security Scholar 2024: Nominated by UMD as an RSA Security Scholar to represent the university at RSA Conference, 2024
- **Sardar Vallabhbhai National Institute of Technology, Surat** Surat, India
Bachelor of Technology in Computer Engineering May 2019

PUBLICATIONS

- **Measuring the Integrated Cyber Attack Surface Across US County Government Networks:** 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>
- **Preserving Location Privacy Using Blockchain:** Yadav R., Nimkarde S., Jat G., Rao U.P., Parmar D. (2020) Preserving Location Privacy Using Blockchain. In: Patel D. et al. (eds) IC-BCT 2019. Blockchain Technologies. Springer, Singapore.

SKILLS SUMMARY

- **Languages:** Python, Java, C, Bash Scripting
- **Web Skills:** HTML5, CSS, Javascript, JQuery, MySQL, MongoDB, WordPress
- **Cloud Platforms:** Google Cloud Platform (GCP), Amazon Web Services(AWS), Microsoft Azure
- **Tools:** Wireshark, Burp Suite, John The Ripper, Hydra, Nmap, Nessus, ZAP, Metasploit, GoPhish
- **Security Knowledge Purview:** Access Control, Asset Security, Identity Management, Network Security, Risk Management, Security Assessment, Security Engineering, Security Operations, Security Testing, Software Development Security, OWASP Top 10, Open Source Intelligence (OSINT)

CERTIFICATIONS AND MEMBERSHIPS

- **Google Cloud Platform:** Google Cloud Platform - Associate Cloud Engineer (**GCP-ACE**) (Sept 2021)
- **Associate of (ISC)²:** Provisionally Passed **CISSP** exam. (Oct 2020)
- **GIAC:** GIAC Security Essential Certification (**GSEC**) (June 2020)

EXPERIENCE

- **Maryland English Institute** College Park, MD
Lab Technician Jan 2023 - Present
 - Managing MEI's IT and network infrastructure along with simplifying the existing tech stack, migrating the on-premise infrastructure to campus AD, Microsoft Intune and cloud.
 - Providing tech support to faculties, staff and students.
 - Took a break in the summer of 2023 to work at PwC.
- **Pricewaterhousecoopers (PwC)** Washington, DC
Cyber security Consulting Intern June 2023 - August 2023
 - Advised and guided a Fortune 150 client in implementing a robust Data Governance and Protection Program using the tool BigID.
 - 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.
- **Cyble Inc.** Bangalore, India
Senior Cyber Security Specialist Dec 2021 - August 2022
 - Led the successful implementation and maintenance of ISO 27001:2013 standard for Information Security Management Systems (ISMS) as the **Information Security Officer**.
 - 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, collaborated with cross-functional teams on best security practices, and ran phishing simulations to enhance cybersecurity.
- **HSBC** Pune, India
Software Engineer July 2019 - Dec 2021

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

PROJECTS

- **Incident Response - [Redacted] Website Hack:** Worked on incident response for securing and investigating a website hack for [redacted]. (*October 2023*)
- **Attack Surface Management:** Worked with Prof. Charles Harry (UMD School of Public Policy) to develop an attack surface management for MD counties creating a dashboard for open ports for servers and websites. **Tech Stack:** Python, Elasticsearch (ES) database (*August 2022 - May 2023*)
- **Security Lab on Google Cloud:** Deployed various virtual machines on the Google Cloud platform and connected the local Kali machine to access these machines. Solved the pain point of keeping and managing multiple virtual machines locally causing heavy usage of memory, disk space and performance degradation. (*Sept 2021*)
- **Preserving Location Privacy using Blockchain:** Proposed a novel way to use blockchain for preserving location privacy while using location-based services. Built a web app utilising smart contracts to access location-based services obfuscating the actual location. (*July 2018 - May 2019*)

COMMUNITY CONTRIBUTION

- **(ISC)²:** Community Volunteer for (ISC)²
- **Founder - [NotYourCISO](#) :** A security blog on medium.com
- **Member of Technical Program Committee (TPC) for:**
 - **International Conference on Security, Privacy and Data Analytics** organised in December 2022 at SVNIT, Surat.
 - **International Conference on Information Security, Privacy and Digital Forensics** organised in December 2022 at National Forensic Sciences University, Goa/Gandhinagar Campus, India.
 - **International Conference on Security, Privacy and Data Analytics** organised in December 2021 at SVNIT, Surat.
- **Guest Speaker:**
 - Topic: **Security Risk Assessment and Management**, Short Term Training Program (STTP) on Cyber Threat Intelligence and Digital Forensics organised in March 2021
 - Topic: **Software Development and Web Security**, STTP on Cyber Security and Penetration Testing in January 2021