Rishipal **Yadav**

SENIOR CYBER SECURITY SPECIALIST · CYBLE

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"Be Bold and Be Right!"

Education ─────────────────────

Sardar Vallabhbhai National Institute of Technology   *Surat, India*
B.TECH IN COMPUTER ENGINEERING   *July 2015 - May 2019*
CGPA: 8.44/10

Publications ─────────────────────

Preserving Location Privacy Using Blockchain   *Mumbai*
INTERNATIONAL CONFERENCE ON BLOCKCHAIN TECHNOLOGIES   *March 2019*
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.

Work Experience ─────────────────────

Senior Cyber Security Specialist   *Bangalore, India*
CYBLE   *December 2021 - Present*
- Designated **Information Security Officer (ISO)**
- Part of team implementing Information Security Management Systems(ISMS) for ISO 27001 Certification.
- Helping Engineering team set up Logging and Security Information and Event Management (SIEM) tools for organisation-wide visibility, incident detection and response.
- Continuously assessing Security Posture of the organisation.
- Running phishing simulations periodically, analysing results and designing security awareness training for user awareness.
- Part of the Incident Response Team. One of the first responder for any incident.

Software Engineer   *Pune, India*
HSBC   *July 2019 - December 2021*
- Developed, Deployed and Managed Digital Security Platform back-end for secure authentication, authorisation and trusted device management.
- Provided support for integration of front-end with back-end, end-to-end system integration and user acceptance testing.
- Upgraded version of the back-end of existing Security Platform for a Direct Business Banking - UK mobile app simplifying existing flows without any down-time for 300K+ users.
- Developed, Deployed and Tested a Proof-of-Concept of a Crypto-service API for signing and decryption of data establishing a WebSocket communication between the mule API endpoint and HSM server single-handedly.
- Cyber Champion for Wholesale IT department: A group of vetted individuals across the department to build in-house security capabilities.

Growth Hacker   *Gurugram, India*
DOUBTNUT   *May 2019 - June 2019*
- Helped grow the daily active users' matrices using behavioural analysis of data by analyzing usage patterns.
- Led a team of 3 people working closely with the product team and tech team, and successfully increased the number of active users by 1.5 times.

Summer Intern   *Gurugram, India*
ADGLOBAL360 INDIA PVT. LTD.   *May 2017 - June 2017*
- Provided data insights about advertisement campaigns by analyzing the reports generated by Google Analytics.

Certifications and Membership ─────────────────────

Google Cloud Platform - Associate Cloud Engineer
GOOGLE CLOUD   *September 2021*

Associate of (ISC)²
(ISC)²   *November 2020 - Present*
- Provisionally Passed Certified Information Systems Security Professional (CISSP) exam

GIAC Security Essentials Certification (GSEC)
GIAC   *June 2020 - June 2024*

Projects

PRESERVING LOCATION PRIVACY USING BLOCKCHAIN   *July 2018 - May 2019*
- Proposed a novel way to use blockchain for preserving location privacy while using location-based services.
- Built a web-app utilising the smart contracts to access location-based services obfuscating the actual location.

PHISHING LINK DETECTION USING MACHINE LEARNING   *May 2018 - June 2018*
- A self-motivated project to learn how ML models can be used in Cybersecurity.
- Trained a model for various attributes linked to a website like double slash redirects, URL length, HTTPS token, age of the domain, url submitting to email, etc.
- This web-based project gave an accuracy of 90 percent and could be used to detect real-world phishing links.

CYBEROAM BRUTE FORCE   *March 2018*
- A project to show weakness in Cyberoam portal implementation allowing brute force password attack on the portal.
- Exploited the weakness of no minimum password length, and no account lockout after certain number of failed attempts.

Community Contribution

COMMUNITY VOLUNTEER - (ISC)²   *February 2022 - Present*

CONTRIBUTING WRITER: DARK ROAST SECURITY   *July 2021 - Present*
Medium

MEMBER - TECHNICAL PROGRAM COMMITTEE   *April 2021 - December 2021*
Member of Technical Program Committee for International Conference on Security, Privacy and Data Analytics (ISPDA-2021) organised in December 2021.

Guest Speaker

DEPARTMENT OF COMPUTER ENGINEERING   *SVNIT, Surat*
- Topic: **Security Risk Assessment and Management**, STTP on Cyber Threat Intelligence and Digital Forensics in March 2021
- Topic: **Software Development and Web Security**, STTP on Cyber Security and Penetration Testing in January 2021
- Topic: **Industry Perspective on Cybersecurity**, STTP on Blockchain Technologies and Internet of Things in December 2020

CYBERSECURITY TALK ON PEOPLE ASPECT OF CYBERSECURITY   *February 2019*
CEV, SVNIT, Surat

Skills

Programming Languages	Python, Java, C, Bash
Web skills	HTML5, CSS, JavaScript, JQuery, MySQL, MongoDB
Cloud Platform	Google Cloud Platform (GCP)
Tools	Wireshark, Burp Suite, John The Ripper, Hydra, Nmap, Nessus, ZAP, Metasploit, GoPhish

SECURITY KNOWLEDGE PURVIEW

Access Control, Asset Security, Communication Security, Identity Management, Network Security, Risk Management, Cryptography ,Security Assessment, Security Engineering, Security Operations, Security Testing, Software Development Security, Malware, Cyber Defense, OWASP Top 10

Self-Learning

Coursera	Hardware, Software and Usable Security, Cryptography
Udemy	The Complete Cybersecurity Course: Hackers Exposed
TCM Security	Open Source Intelligence (OSINT) Fundamentals
Infosec Institute	Security Engineering Skill Path
TryHackMe	Jr. Penetration Tester, Web Fundamentals Learning Path