

Rishipal Yadav

SENIOR CYBER SECURITY SPECIALIST · CYBLE

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"Be Bold and Be Right!"

Education

Sardar Vallabhbhai National Institute of Technology

B.TECH IN COMPUTER ENGINEERING

CGPA: 8.44/10

Surat, India

July 2015 - May 2019

Publications

Preserving Location Privacy Using Blockchain

INTERNATIONAL CONFERENCE ON BLOCKCHAIN TECHNOLOGIES

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.

Mumbai

March 2019

Work Experience

Senior Cyber Security Specialist

CYBLE

- Founding Member of Internal Security team.
- 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.

Bangalore, India

December 2021 - Present

Software Engineer

HSBC

- 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 Web-Socket 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.

Pune, India

July 2019 - December 2021

Growth Hacker

DOUBTNUT

- 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.

Gurugram, India

May 2019 - June 2019

Summer Intern

ADGLOBAL360 INDIA PVT. LTD.

- Provided data insights about advertisement campaigns by analyzing the reports generated by Google Analytics.

Gurugram, India

May 2017 - June 2017

Certifications and Membership

Google Cloud Platform - Associate Cloud Engineer

GOOGLE CLOUD

September 2021

Associate of (ISC)²

(ISC)²

November 2020 - Present

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