

RISHIPAL YADAV

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WORK EXPERIENCE

HSBC Software Development India Pvt. Ltd.

July 2019 - Present

Software Engineer

Pune, India

- Working with Wholesale IT Digital Security Platform (DSP) team building Secure Platform for authentication and authorization for mobile apps using tool 'Transmit' implementing features like trusted device management, biometrics login and management, secure access etc.
- Developing 'Transmit' server side platform for mobile app on Google Cloud Platform from scratch.
- Successfully upgraded the server side version of tool 'Transmit' on on-premises platform closely working with mobile team.
- Developed, Deployed and Tested a Proof-of-Concept of a Crypto-service API for signing and decryption of data establishing a WebSocket communication between mule API endpoint and HSM server single-handedly.
- Got selected for the group - CMB Cyber Champions, a group of vetted individuals across the department to build in-house security capabilities for testing numerous applications in development.
- Successfully completed the training sessions for CMB Cyber Champions, Secure Code Warrior (SCW) - Orange, Yellow, White belts and now pursuing a real-life test case scenario to become a qualified eITSA reviewer.

Doubtnut Pvt. Ltd.

May 2019 - June 2019

Growth Hacker

Gurugram, India

- My role was to grow the daily active users' matrices using behavioral analysis of data by analyzing usage patterns.
- Led a team of 3 people working closely with the product team and successfully increased the number of active users by 1.5 times.

Adglobal360 India Pvt. Ltd.

May 2017 - June 2017

Summer Intern

Gurugram, India

- Responsible for designing advertisement campaigns by analyzing the reports generated by Google Analytics.

Doubtnut Pvt. Ltd.

Dec 2016

Web Developer and Android App Tester

Gurugram, India

- Responsible for functional testing of android app concentrating on mainline functions, basic usability, and error conditions.
- Developed the front end of the web version of the application.

SKILL SET

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

Programming Languages

Python, Java, C, Bash

Tools Knowledge

Wireshark, Burp Suite, John The Ripper, Hydra, Nmap

Cloud Platform

Google Cloud Platform (GCP)

CERTIFICATIONS AND MEMBERSHIPS

Associate of (ISC)²

October 2020 - Present

- Passed Certified Information Systems Security Professional (CISSP) exam, working on fulfilling work experience requirement.

GIAC Security Essentials Certification (GSEC)

June 2020 - Present

- Equivalent to CompTIA Security+

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 by utilizing smart contracts.

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.

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.

CYBERSECURITY COMMUNITY CONTRIBUTION

Member - Technical Program Committee

April 2021-Present

- Member of Technical Program Committee for [International Conference on Security, Privacy and Data Analytics \(ISPD-2021\)](#) to be organised at my alma mater in December 2021.

Guest Speaker: Security Risk Assessment and Management

March 2021

- Delivered an hour long session in a Short-Term Training Program on Cyber Threat Intelligence and Digital Forensics organized by Computer Engineering Department at my alma mater.
- The audience included faculty members, students, and industry professionals.

Guest Speaker: Software Development and Web Security

Jan 2021

- Delivered a three hours session talking about secure software development practices and common web application vulnerabilities with the hands-on demonstration in a Short-Term Training Program on Cyber Security and Penetration Testing (CSPT - 2020) organized by Computer Engineering Department at my alma mater.

Guest Speaker: Industry Perspective on Cybersecurity

Dec 2020

- Delivered an hour long session talking about cybersecurity trends and emerging concerns in industry in an STTP BTIoT-2020 organized by the Computer Engineering Department at my alma mater.

Cybersecurity Talk on People Aspect of Cybersecurity

Feb 2019

- Delivered a talk on Cybersecurity with Cutting Edge Visionary(CEV), a student club of SVNIT, for cybersecurity awareness in the college focusing on the 'people' aspect of cybersecurity.

PUBLICATION

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.

EDUCATION

Sardar Vallabhbhai National Institute of Technology, Surat

July 2015 - May 2019

Bachelor of Technology in Computer Engineering

Surat, India

Overall GPA: 8.44/10

ONLINE LEARNINGS

Coursera Hardware, Software and Usable Security, Cryptography, Cyber Incident Response (Pursuing)

TryHackMe An online platform to learn about Cybersecurity through short, gamified real world labs. ([Check Profile](#))

INTERESTS

Writing and Performing Poetry

Playing Guitar

Farming

Documentaries