

# RISHIPAL YADAV

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## EDUCATION

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**Sardar Vallabhbhai National Institute of Technology, Surat**

*Bachelor of Technology in Computer Engineering*

Overall GPA: 8.44/10

July 2015 - May 2019

*Surat, India*

## CERTIFICATIONS AND MEMBERSHIPS

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**Associate of (ISC)<sup>2</sup>**

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+

## WORK EXPERIENCE

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**HSBC Software Development India Pvt. Ltd.**

*Software Engineer*

July 2019 - Present

*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 and 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.**

*Growth Hacker*

May 2019 - June 2019

*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.**

*Summer Intern*

May 2017 - June 2017

*Gurugram, India*

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

**Doubtnut Pvt. Ltd.**

*Web Developer and Android App Tester*

Dec 2016

*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.

## PROJECTS

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**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

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### Guest Speaker in a Short-Term Training Program

March 2021

- Delivered an hour long session on ‘**Security Risk Assessment and Management**’ in an STTP 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 in a Short-Term Training Program

Jan 2021

- Delivered a three hours session on ‘**Software Development and Web Security**’ talking about secure software development practices and common web application vulnerabilities with the hands-on demonstration in an STTP on Cyber Security and Penetration Testing (CSPT - 2020) organized by Computer Engineering Department at my alma mater.

### Guest Speaker in a Short-Term Training Program

Dec 2020

- Delivered a session on ‘**Industry Perspective on Cybersecurity**’ 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

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

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### 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.

## SKILL SET

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### 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)

## ONLINE LEARNINGS

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### Coursera

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

### TryHackMe

[Check Profile](#)

## INTERESTS

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Writing and Performing Poetry

Playing Guitar

Farming

Documentaries