

# 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*

## 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.

## WORK EXPERIENCE

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

*Software Engineer*

July 2019 - Present

*Pune, India*

- Developing, Deploying and Managing Digital Security Platform back-end for secure authentication, authorisation and trusted device management of a corporate cards mobile application using tool 'Transmit' designing use case flows and integrating them with openAM and openIDM APIs on Google Cloud Platform
- Providing support to front-end engineers to integrate back-end with android and iOS client-side SDK, to business to fine-tune the requirements aligning them with technology capabilities and to testers to test the app thoroughly and resolve defects in a timely manner.
- 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 a Spring Boot Program to delete the redundant device binding details from MongoDB
- 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.

**Doubtnut Pvt. Ltd.**

*Growth Hacker*

May 2019 - June 2019

*Gurugram, India*

- My role was to 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.

**Adglobal360 India Pvt. Ltd.**

*Summer Intern*

May 2017 - June 2017

*Gurugram, India*

- Provided data insights about advertisement campaigns by analyzing the reports generated by Google Analytics.
- Assisted Campaign Managers in gathering and fulfilling campaign requirements like ad copies, designs, and web content.

**Doubtnut Pvt. Ltd.**

*Web Developer and Android App Tester*

Dec 2016

*Gurugram, India*

- Functionally tested doubtnut 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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**Set up a Security Lab on Google Cloud**

September 2021

- Deployed various virtual machines on google cloud platform and connected the local Kali machine to access these machines
- Solved pain point of keeping and managing multiple virtual machines locally causing heavy usages of memory, disk space and performance degradation

## 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.

## CERTIFICATIONS AND MEMBERSHIPS

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### Google Cloud Platform - Associate Cloud Engineer ([Credentials](#))

September 2021 - Present

### Associate of (ISC)<sup>2</sup> ([Credentials](#))

October 2020 - Present

### GIAC Security Essentials Certification (GSEC) ([Credentials](#))

June 2020 - Present

## CYBERSECURITY COMMUNITY CONTRIBUTION

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### Volunteer: Cybersecurity Gatebreakers Corp.

July 2021 - Present

- Cybersecurity Gatebreakers Corp. is a registered nonprofit organization dedicated to raising awareness around the problems in cybersecurity hiring.

### Contributing Writer: [Dark Roast Security](#)

July 2021 - Present

### Member - Technical Program Committee

April 2021-Present

*ISPD-2021*

*SVNIT, Surat*

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

### Guest Speaker: Security Risk Assessment and Management

March 2021

*STTP on Cyber Threat Intelligence and Digital Forensics*

*Department of Computer Engineering, SVNIT Surat*

### Guest Speaker: Software Development and Web Security

Jan 2021

*STTP on Cyber Security and Penetration Testing*

*Department of Computer Engineering, SVNIT Surat*

### Guest Speaker: Industry Perspective on Cybersecurity

Dec 2020

*STTP on Blockchain Technologies and Internet of Things*

*Department of Computer Engineering, SVNIT Surat*

### Cybersecurity Talk on People Aspect of Cybersecurity

Feb 2019

## 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

### Web skills

HTML5, CSS, JavaScript, JQuery, MySQL

### Cloud Platform

Google Cloud Platform (GCP)

### Tools

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

## SELF-LEARNING

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### Coursera

Hardware, Software and Usable Security, Cryptography

### Udemy

The Complete Cybersecurity Course: Hackers Exposed

### Infosec Institute

Security Engineering Skill Path

### TryHackMe

Learning Cybersecurity through gamified real world labs. Top 1% learners worldwide. ([Check Profile](#))