

RISHIPAL YADAV

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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

Rao Pahlad Singh Sr. Sec. School

May 2015

All India Senior School Certificate Examination

Mahendra Garh, India

Percentage: 95.8

First rank in a class of 1000+

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.

WORK EXPERIENCE

HSBC Software Development India Pvt. Ltd.

July 2019 - Present

Software Engineer

Pune, India

- Working with Digital Security Platform team building Secure Platform for authentication and authorization for mobile app and web.
- Developing Security Platform on Cloud for migration of existing on-premise platform to the cloud.
- Developed 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.
- Part of Cyber Champion group responsible for Static Application Security Testing, Dynamic Application Security Testing and Penetration Testing of application to reduce security errors in shipped software practicing shift-left security.

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.

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.
- This was an attempt to integrate traditional solutions with new technologies becoming a foundation for future research.

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.

CERTIFICATIONS

Associate of (ISC)²

October 2020 - Present

GIAC Security Essentials Certification (GSEC)

June 2020 - Present

Secure Code Warrior - Orange Belt

November 2020

- Certified for detection and mitigation of software development related security risks in Java JSP based projects including OWASP Top 10 web application security risks.

Secure Code Warrior - Yellow Belt

May 2020

Secure Code Warrior - White Belt

August 2019

CO-CURRICULAR

Self Published my Hindi and Urdu poetry Collection on Kindle

Oct 2020

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.
- The audience included faculty members and students from various background.

Licensee and Organiser - TEDxSVNIT

Feb 2018 - September 2018

- Took an initiative to spread ideas and organized a TEDx event in college.
- Led a team of 30 people with my active involvement in the curation of speakers and promoting the event.

Executive Member - ACM Student Chapter of SVNIT

July 2016 - May 2017

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

Programming Languages

Python, Java, C

Web skills

HTML5, CSS, JavaScript, JQuery, MySQL

Cloud Platform

Google Cloud Platform (GCP)

ONLINE COURSES

Coursera

Usable Security, Hardware Security, Software Security, Cryptography

Udemy

The Complete Cybersecurity Course: Hackers Exposed

(ISC)²

DoS Attacks and Defense

INTERESTS

Writing and Performing Poetry

Playing Guitar

Farming

Documentaries