Rishipal **Yadav**

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Education

Sardar Vallabhbhai National Institute of Technology   *Surat, India*
B.TECH IN COMPUTER ENGINEERING   *July 2015 - May 2019*
CGPA: 8.44/10

Rao Pahlad Singh Sr. Sec. School   *Mahendra Garh, India*
ALL INDIA SENIOR SCHOOL CERTIFICATE EXAMINATION   *May 2015*
Percentage: 95.8

Work Experience

Cyble   *Bangalore, India*
SENIOR CYBER SECURITY SPECIALIST   *Dec. 2021 - Present*
- Founding (2nd) Member of Internal Security team reporting to CISO handling internal security of the organisation.

HSBC Software Development India Pvt. Ltd.   *Pune, India*
SOFTWARE ENGINEER   *July 2019 - Dec. 2021*
- 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 Web-Socket communication between the mule API endpoint and HSM server single-handedly.
- Cyber Champion for Wholesale IT department.

Doubtnut   *Gurugram, India*
GROWTH HACKER   *May 2019 - June 2019*
- 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.

Certifications and Membership

GOOGLE CLOUD PLATFORM - ASSOCIATE CLOUD ENGINEER   *September 2021*

ASSOCIATE OF (ISC)²   *November 2020 - Present*

GIAC SECURITY ESSENTIALS CERTIFIED (GSEC)   *June 2020 - June 2024*

Projects

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

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.

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.

Community Contribution

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 - December 2021*
- Member of Technical Program Committee for International Conference on Security, Privacy and Data Analytics (ISPDA-2021) to be organised in December 2021.

GUEST SPEAKER: SECURITY RISK ASSESSMENT AND MANAGEMENT   *March 2021*
- STTP on Cyber Threat Intelligence and Digital Forensics organised by the Department of Computer Engineering, SVNIT Surat

GUEST SPEAKER: SOFTWARE DEVELOPMENT AND WEB SECURITY   *Jaunary 2021*
- STTP on Cyber Security and Penetration Testing organised by the Department of Computer Engineering, SVNIT Surat

GUEST SPEAKER: INDUSTRY PERSPECTIVE ON CYBERSECURITY   *December 2020*
- STTP on Blockchain Technologies and Internet of Things organised by the Department of Computer Engineering, SVNIT Surat

CYBERSECURITY TALK ON PEOPLE ASPECT OF CYBERSECURITY   *February 2019*

Skills

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

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