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, 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.
· 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

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.
- The audience included faculty members, students, and industry professionals.

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.
- 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.

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