

Kaustubh Rai

Cybersecurity specialist with a strong background in application security, vulnerability assessment, and penetration testing. Committed to continuous learning and growth, with active participation in industry events and CTF challenges

raikaustubh12@gmail.com

+91 8149791460

www.raikaustubh.me

linkedin.com/in/kaustubh-rai

EDUCATION

B.E - COMPUTER ENGINEERING

ST. JOHN COLLEGE OF ENGINEERING AND TECHNOLOGY

09/2017 - 05/2022

Palghar

WORK EXPERIENCE

Associate Application Security Engineer ContentStack

07/2022 - Present

Achievements/Tasks

- Conducted robust security testing encompassing VAPT, SAST, DAST, SCA, and Manual Code Review to safeguard ContentStack's diverse environments, ensuring a fortified security posture for both RESTful and GraphQL APIs.
- Pioneered the automation of API security testing workflows, significantly enhancing efficiency and response times.
- Served as the primary security auditor for key platform deployments, vetting and ensuring the secure rollout of features across Marketplace, Launch, and Automation Hub.

Technical Consultant ContentStack

02/2022 - 07/2022

Achievements/Tasks

- Led performance reviews for ContentStack's CDN, aimed at ensuring efficient and rapid content delivery to global customers.
- Regularly performed code reviews, pinpointing vulnerabilities and generating comprehensive SAST reports, reinforcing platform security.
- Executed rigorous performance load tests to emulate high-demand scenarios. Scrutinized data from these tests, identified performance choke points, and proactively shared insights and proposed solutions with department heads.

SECURITY TRAINING

PortSwigger Academy

Actively solving labs with detailed blog documentation of each lab.

Cybrary

Network Fundamentals, CompTIA A+ 901AA, CompTIA Network+

TCM Security, APISEC University

Practical Ethical Hacking, Practical API Hacking, API Security for PCI Compliance

TryHackMe

Top 1 % of 1M+ users

SKILLS

Cloud & Monitoring: AWS, Digital Ocean, Heroku, Data Dog, Splunk

Security & Pentesting: SonarQube, Burp Suite, Metasploit

DevOps & Platforms: Linux, Docker, Kubernetes, VMware, Git, Postman

Development & Scripting: Python, Bash, PowerShell, MongoDB, JavaScript

PERSONAL PROJECTS

CVEdB (Common Vulnerabilities and Exploits Database) - Django

- Developed a platform to explain vulnerabilities, exploits, mitigation strategies, and provided additional threat intelligence information, such as current risk levels, exploit prices, and prevention tips for software development

IMAGE AUTHENTICITY CHECKER — Python, TensorFlow, KERAS

- Created an ML-based image verifier to detect alterations or filters applied to images and verify GPS location

No_Contact_WhatsApp — AWS Lambda, Serverless, Python, Telegram Bot

- Developed a serverless Telegram bot on AWS Lambda for messaging on WhatsApp without saving contacts

ACHIEVEMENTS

45th position out of 500 teams

12 hour RESTCON CTF by RESETHACKER

2nd Runner up in Bug Bounty out of 50 teams

by ContentStack

1st Place in CypherHack Security Hackathon

by FCRIT - made a Remote Automated Vulnerability Assessment tool using a Pi Device

CVEdB

Published a paper in International Journal of Advanced Research in Technology and Engineering

INTERESTS

Volunteering, Blogging, Learning languages, Travel, Sports