

Kaustubh Rai

Detail-oriented C.S undergraduate with a strong background in cybersecurity, seeking a challenging position in the IT industry to apply my skills in pen testing, vuln assessment, and network security. Committed to continuous learning and growth, active member in industry meetups and CTF events to stay current with the latest developments in the field.

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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 API security testing and Vulnerability Assessment and Penetration Testing (VAPT) for both RESTful and GraphQL APIs.
- Implemented SAST and Dynamic Application Security Testing (DAST) on ContentStack's production environment.
- Carried out comprehensive security assessments, including VAPT, SAST, and DAST, for a wide range of applications and features released on ContentStack's Marketplace and other platform components.

Consultant ContentStack

02/2022 - 07/2022

Achievements/Tasks

- Performed code reviews and generated Static Application Security Testing (SAST) reports.
- Conducted performance load tests, analyzed performance issues, and presented findings and potential solutions to department heads.
- Continued addressing SAST findings and conducting performance load tests during the transition to the Associate Security Engineer role.

SECURITY TRAINING

Active Directory Home Lab

Home lab to practice Active Directory Attacks such as LLMNR poisoning, SMB relay and MITM attacks using IPV6.

Cybrary

Network Fundamentals, Compia A+ 901AA, Compia Network+

TCM Security

Practical Ethical Hacking

TryHackMe

Top 1 % of 1M+ users

SKILLS

Heroku, Digital Ocean, AWS, Data Dog, Splunk, SonarQube

Linux, Git, Docker, Kubernetes, VMware Management, Serverless, OpenVPN Configuration, Metasploit, Burp Suite, Active Directory

Python, PowerShell, Bash, MongoDB, JS, C

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

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

LANGUAGES

English

Native or Bilingual Proficiency

Hindi

Native or Bilingual Proficiency

Marathi

Professional Working Proficiency

German

Limited Working Proficiency

INTERESTS

Volunteering, Blogging, Learning languages, Travel, Sports