

Kaustubh Rai

CSE undergrad with a strong interest in penetration testing, vulnerability analysis and network security. Dedicated to continual learning through training and daily practice in a home lab. Member of monthly meetups of NULL, OWASP, HTB, BSides discussing cyber threats and CTFs

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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 Engineer ContentStack

07/2022 - Present

Achievements/Tasks

- API security testing, VAPT along with SAST and DAST for CMS application on production environment.
- Application Security and integrated different Security Workflows in CICD pipeline.
- Executed performance load tests and analyzed performance problems and presented findings to department heads along with any potential solutions

Consultant ContentStack

02/2022 - 07/2022

Achievements/Tasks

- Performed Code Security reviews and created SAST reports.
- Web Application Security best practices.

Content Creator TeachMeBro

12/2020 - 05/2021

Achievements/Tasks

- Making videos on YouTube teaching people about Cyber Security and solving CTF challenges

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, CompTia A+ 901AA, CompTia 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

- Explains vulnerabilities, exploits, how to mitigate them and provides additional threat intelligence information like current risk levels and exploit price and a solution to how to prevent making the design flaw when developing the software.

DAILY EXPENSE TRACKER — PHP, MySQL

- A Daily Expense Tracker using PHP and MySQL database, keeps records of daily, weekly, monthly and yearly expenses

IMAGE AUTHENTICITY CHECKER — Python, TensorFlow, KERAS

- A ML Verifier for images that checks if the image has any adulteration of filters to the image, along with a feature of verifying it with its GPS location

No_Contact_WhatsApp — AWS Lambda, Serverless, Python, Telegram Bot

- A Serverless Telegram bot on AWS Lambda that helps in messaging on WhatsApp without saving their contact.

ACHIEVEMENTS

164th position out of 400 teams

12 hour RESTCON CTF by RESETHACKER

1st Place in CypherHack Security Hackathon by FCRIIT

made a Remote Automated Vulnerability Assessment tool using a Pi Device

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