Saurabh **Kumar**

APPLICATION SECURITY ENGINEER

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Summary

Saurabh is a Security Engineer at Nutanix, working in the Product Security Team. He graduated from IIT Roorkee. He has experience in Web Security, Secure code review and development. He loves finding bugs and helping developers in mitigating those. In the security domain, he found bugs in products like Razor, Lastpass, Dgraph and Adobe in his spare time. He also loves playing CTF's in his free time. Saurabh is a quick learner and does not hesitate to pick a challenging task.

Experience

Application Security Engineer-2   *Bangalore*

NUTANIX TECHNOLOGIES INDIA PVT LTD   *June 2021 - Present*

- As part of Nutanix Product Security, SDL-team. I perform internal security testing for Nutanix Core and SaaS products.
- Security assessments: code review, penetration testing and remediation
- Bug bounty: triage and variant analysis
- Successfully Organized internal Security tech talks and internal CTF's.

Security Researcher Intern   *Remote*

PAYATU TECHNOLOGIES   *May 2020 - Oct 2020*

- Successfully completed work on fuzzing software Adobe/Foxit.
- Implemented python script which automate the generation of Dharma grammar for Acrobat JavaScript API and successfully integrated it on Cloudfuzz Virtual machines for fuzzing.

Google Summer of Code 2019 | Software Engineering Intern   *Remote*

OWASP FOUNDATION (LINK)   *6th May 2019 - 19th August 2019*

- Contributed to DefectDojo, an open-source vulnerability management tool. Mentored by Aaron Weaver .
- Successfully implemented custom tools support for Defectdojo projects like Cobalt, Openscap, Mozilla observatory, etc.
- Successfully fixed the security bugs that I found in DefectDojo.

Skills

Computer Languages	Python3, C,C++, JavaScript, Bash, Assembly, Golang.
Utilities	SAST, DAST, Git, IDA, BurpSuite Pro, Nmap, Wireshark, GDB, Radare2, Docker, Kubernetes
Languages Known	English(SRW), Hindi(SRW)
Knowledge Of	OWASP Top 10, Secure Code Review, CodeQL, Cryptography

Education

Indian Institute of Technology Roorkee   *Roorkee, India*

B.TECH IN METALLURGICAL AND MATERIALS ENGINEERING   *2017-2021*

Program Committees

2020	**Secretory Of InfoSecIITR**, 2020-21 Secretory Of InfoSecIITR Hacking club of IIT Roorkee	*IIT Roorkee*
2019	**Problem Writer**, 2019 n00bCTF Hacking Competition of IIT Roorkee	*IIT Roorkee*
2019	**Problem Writer**, 2019 BackdoorCTF International Hacking Competition organized by IIT Roorkee	*IIT Roorkee*

Awards / Scholarships / Academic Achievements

2021	**CVE-2021-21010 by Adobe**, for Uncontrolled search path element vulnerability in Adobe InCopy.	*International*
2020	**CVE-2020-22352,CVE-2020-24829 by GPAC**, Assigned for finding Heap-Buffer-Overflow and Null Pointer Dereference bug in GPAC open-source software.	*International*
2019	**2nd Place in finals (India)**, CSAW CTF 2019	*IIT Kanpur*
2019	**Qualified for finals**, CyBRICS CTF 2019	*Russia(ITMO University)*
2019	**Qualified for finals**, Brainwaves CyberSecurity 2019 CTF	*Bengaluru*