

Saurabh Kumar

INFORMATION SECURITY AND OPEN SOURCE DEVELOPMENT ENTHUSIAST

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Education

Indian Institute of Technology Roorkee

Roorkee, India

B.TECH IN METALLURGICAL AND MATERIALS ENGINEERING

2017-2021

- Final year student

Jawahar Navodaya Vidyalaya Chandauli

Chandauli, India

ALL INDIA SENIOR SCHOOL CERTIFICATE EXAMINATION & ALL INDIA SECONDARY SCHOOL EXAMINATION

2009 -2016

- Central Board of Secondary Education
- 87.4% and 10 CGPA Respectively

Area of Interest

Pen-testing, Open Source Development, Reversing, Fuzzing, Vulnerability Research

Experience

Security Researcher Internship

Remote

PAYATU TECHNOLOGIES

May 2020 - present

- Working on fuzzing windows software's like adobe acrobat.
- Written Dharma grammars for acrobat PDF JavaScript API's and integrated on Cloudfuzz.
- Tech Stack: Python, Dharma, Git, Acrobat JavaScript API's

Google Summer of Code 2019

Remote

OWASP FOUNDATION ([LINK](#))

6th May 2019 - 19th August 2019

- Implemented many scans parser for Defectdojo project like Kiuwan, Openscap, Mozilla observatory, etc.
- Written Unit-tests for many scans like Nmap, Nikto, Checkmax, etc.
- found some security bugs in DefectDojo and also fixed it.
- Tech Stack: Git, Python, Docker, Django, MySQL

Summer Internship

Delhi, India

DEFENSE INTELLIGENCE AGENCY (ADGSI/DIA)

13 May 2019 - 26 June 2019

- Worked on Dynamic and static analysis of Windows Malware.
- Worked on Process Injection techniques.
- Tech stack: C++, Windows API, Assembly, Python.
- Utility: Visual Studio, IDA pro, Windbg, Wireshark

Projects

DefectDojo Core Contributor & Moderator

Remote

OWASP FOUNDATION ([LINK](#))

November 2019 - May 2020

- Maintaining the Project.
- Contributing to project and reviewing code.

Skills

Computer Languages	Python, C/C++, PHP, HTML, SQL, JavaScript, Bash, Assembly
Utilities	Git, Sublime Text, VS-code, IDA, Burp Suite, NMAP, Wireshark, GDB, Ghidra, Radare2, Metasploit, Visual Studio
Languages Known	English(SRW), Hindi(SRW)
Knowledge Of	OWASP Top 10
Extra Courses On Coursera	Algorithmic Toolbox (Coursera), Cryptography I (Coursera), Software Security (Coursera)

Program Committees

2019 **Problem Writer**, 2019 n00bCTF Hacking Competition of IIT Roorkee

IIT Roorkee

2019 **Problem Writer**, 2019 backdoorCTF Hacking Competition of IIT Roorkee

IIT Roorkee

Positions of Responsibility / Extra Curriculars

SDS InfoSec

MEMBER

- On-campus group of information security enthusiasts
- Organized meetings/talks relating to CTFs and Information Security
- Participate in various CTFs as dr3dd with team InfoSecIITR.
- Designed challenges for Backdoor ctf's.

IIT Roorkee

February 2018 - Present

Bug Bounty

PARTICIPANT

- Found severe bugs and reported on hackerone. ([Link](#))

Remote

January 2020 - Present

Awards / Scholarships / Academic Achievements

2013 **Sports**, Selected for Under-17 National Hockey Jnv Lucknow region team.

India

2018 **Fellowship**, Yes Foundation India Fellowship

India

2018 **1st place**, Codefest-CTF 2018 orgained by IIT BHU

India

2019 **Qualified for finals**, Brainwaves CyberSecurity 2019 CTF

Bengaluru

2019 **Qualified for finals**, CyBRICS CTF 2019

Vadodara

2019 **2nd Place in finals (India)**, CSAW CTF 2019

IIT Kanpur