

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

- Studying in 3rd year 1st Semester

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

Experience

Google Summer of Code 2019

IIT Roorkee

OWASP FOUNDATION

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

DefectDojo Core Contributor & Moderator

IIT Roorkee

OWASP FOUNDATION

29th November 2019 - Present

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

Summer Internship

Delhi, India

DEFENSE INTELLIGENCE AGENCY (ADGSI/DIA)

13 May 2019 - 26 June 2019

- Worked on Dynamic and static analysis of Windows Malware.
- Analyzed how Trickbot uses process injection techniques.
- Tech stack: C++, Windows API, Assembly, Python.
- Utility: Visual Studio, IDA pro, Windbg, Wireshark

Projects

Inbrief

IIT Roorkee

WEB APP

Feb. 2018

- InBrief is a web application which seeks to provide information summarization facilities using azure cognitive API.
- It provides a summary of Videos, Speech, Text and also images, using Optical Character Recognition.

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

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

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Positions of Responsibility / Extra Curriculars

SDS InfoSec

MEMBER

IIT Roorkee

February 2018 - Present

- 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.

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