

SAURABH KUMAR

B.Tech. Metallurgical & Materials Engineering
UG(III Year I Semester)
Contact No: 9532788384
Email: skumar1@mt.iitr.ac.in
Registration No: B.Tech./MT/17121024/2020

Indian Institute of
Technology
Roorkee



Area of Interest

Reversing, Binary Exploitation, Cryptography, Open Source Development

Education

Year	Degree/Examination	Institution/Board	CGPA/Percentage
2019	B.Tech. 2nd Year	Indian Institute of Technology, Roorkee	6.716
2016	Twelfth	Jawahar Navodaya Vidyalaya, Chandauli (CBSE)	87.4 %
2014	Tenth	Jawahar Navodaya Vidyalaya, Chandauli (CBSE)	10.0

Internships

Google Summer of Code 2019 | OWASP Foundation

6th May 2019 - 19th August 2019

- Implemented many scans parser for Defectdojo project like Kiuwan, Openscap, Mozilla observatory, etc.
- Written Unittests for many scans like Nmap, Nikto, Checkmax, etc.
- found a couple of XSS vulnerability in Defectdojo and also fix it.
- Tech Stack: Git, Python, Docker, Django, MySQL

Summer Internship | Defense Intelligence Agency (ADGSI/DIA)

13 May 2019 - 26 June 2019

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

Projects

InBrief | Code . Fun . Do Hackathon, organized by Microsoft

1st February 2018 - 7th February 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.

Awards / Scholarships / Academic Achievements

- Qualified for final round Brainwaves CyberSecurity 2019 CTF.
- Yes Foundation India Fellowship (2018)
- Selected for Under-17 National Hockey Jnv Lucknow region team (2013).
- Rajya Puraskar in Scouts and Guides.

Skills

Computer languages Python, C/C++, MySQL, PHP, Assembly, HTML, BASH

Software Packages Git, Sublime Text, VS-code, IDA, Burp Suite, NMAP, Wireshark, GDB, Ghidra, Radare2, Metasploit, Visual Studio

Additional Courses Taken Algorithmic Toolbox (Coursera), Cryptography I (Coursera), Software Security (Coursera)

Languages Known English (SRW) , Hindi (SRW)

Positions of Responsibility & Extra Curriculars

Member | SDS InfoSec

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..

Co-leader (Design team) | Divyang Ek-Ummeed

September 2017 - present

- Co-leader of the Web design team at Divyang Ek-Ummeed.

NSS (National Service Scheme)

August 2017 - April 2018

- Organising Member of National Social Summit 2018
- Team Leader of NSS Web Design team.