

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, Binary Exploitation, Cryptography

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

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.

Divyang Ek-Ummeed

CO-LEADER (DESIGN TEAM)

IIT Roorkee

September 2017 - October 2018

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

Awards / Scholarships / Academic Achievements

2013	Sports , Selected for Under-17 National Hockey Jnv Lucknow region team.	<i>India</i>
2018	Fellowship , Yes Foundation India Fellowship	<i>India</i>
2018	1st place , Codefest-CTF 2018 orgained by IIT BHU	<i>India</i>
2019	3rd place , Technex 2019 CTF orgained by IIT BHU	<i>India</i>
2019	2nd Place , Pragyan CTF 2019 organised by NIT Trichy	<i>International</i>
2019	Qualified for finals , Brainwaves CyberSecurity 2019 CTF	<i>Bengaluru</i>
2019	Qualified for finals , CyBRICS CTF 2019	<i>Vadodara</i>