

SHADDY GARG

B.Tech. Electronics & Communication Engineering
UG(IV Year I Semester)
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Registration No: B.Tech./ECE/16116061/2020

Indian Institute of
Technology
Roorkee



Area of Interest

Open Source Development, Information Security

Education

Year	Degree/Examination	Institution/Board	CGPA/Percentage
2019	B.Tech. 3rd Year	Indian Institute of Technology, Roorkee	8.799

Internships

Research Intern | Adobe Systems

7 May 2019 - 20 July 2019

- Worked on explainability of machine learning models.
- Implemented an architecture to disentangle conditional probabilities from joint probabilities.
- Tech Stack: Python, Keras, Tensorflow

Google Summer of Code 2018 | OWASP Foundation

23 April 2018 - 14 August 2018

- Added support for multiple databases.
- Implemented HTTP Fuzzer, local maltego transform, and scan modules such as wappalyzer, ICMP, and subdomain scan.
- Tech Stack: Git, Python, Canari, Docker, Flask, SQLAlchemy

Projects

Placement and Internship Online | IIT Roorkee

October 2018 - Present

- Responsible for maintenance and development of the placement and internship portal of the campus.
- Tech Stack: Django, Docker

Slambook | Information Management Group, IIT Roorkee

November 2017 - March 2018

- A digital slambook application to bridge the gap between alumni and institute.
- Tech Stack: Django, DjangoREST

Presence | Information Management Group, IIT Roorkee

August 2017 - October 2017

- An application to scan the members currently present in a wifi-enabled zone based on their MAC Addresses.
- Tech Stack: Python

Map-It | IIT Roorkee

August 2018 - October 2018

- A port scanner developed in python using scapy as a part of course project.
- Tech Stack: Flask, Scapy

Awards / Scholarships / Academic Achievements

- Winner of AISS 2018 Security Hackathon conducted by DSCI
- Qualified for CyBRICS CTF finals to be held in Russia
- Ranked 3rd in BSides Delhi CTF amongst around 800 teams
- Ranked 1st in Codefest CTF 2018 playing as a part of InfosecIITR
- Ranked 14th in India in CSAW CTF quals
- Part of the winning contingent in InterIIT Tech Meet 2018 held at IIT Bombay
- KVPY(Kishore Vaigyanik Protsahan Yojana) - Cleared in class XII
- Cleared JEE Advanced with all India rank 963 out of 1.5 million candidates

Skills

Computer languages Python, C++, Java, JavaScript, PHP, SQL, Verilog
Software Packages Vim, Django, DjangoREST, Flask, Docker, Metasploit, Burp Suite, Maltego, Git, Gitlab, Sentry, MySQL, IDA Pro, Nmap

Positions of Responsibility & Extra Curriculars

Chief of Security | Information Management Group, IIT Roorkee

January 2017 - Present

- Responsible for handling the security of IITR main website.
- Responsible for providing a secure intranet for the students of IITR.

Collabrator | OWASP

May 2018 - Present

- Worked on the development of OWASP Nettacker and among the top 3 contributors.
- Maintainer of the maltego transform package of the project.

Member | InfosecIITR

January 2017 - Present

- InfosecIITR is among top three Indian teams on ctftime.
- Regularly take part in various CTFs and organize our own CTF by the name of backdoor.

Web Head | IIT Heartbeat

July 2018 - Present

- Worked on the development and maintenance of the official website for the IIT Heartbeat magazine.

Member | Programming and Algorithms Group, IIT Roorkee

Oct 2016 - July 2017

- PAG is a student run group that fosters competitive programming.

References

Ali Razmjoo

Iran Chapter Leader

OWASP

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