Harsha Sharma

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EDUCATION

IIT ROORKEE
2nd Year BTech in Engineering Physics
Expected May 2020
Cum. GPA: 7.59/10

12th C.B.S.E
May 2016 | MGPS, Jaipur
Percentage: 95.2 / 100.0

10th C.B.S.E
May 2014 | MGPS, Jaipur
CGPA: 9.8/10

LINKS

Github:// **hs256**
Twitter:// **@harshasharma256**

COURSEWORK

UNDERGRADUATE
Microprocessors and Peripheral Devices
Engineering Analysis and Design
Analog and Digital Electronics
Optimization Techniques
Computer Programming
Electrical and Electronic materials
Electrical Science
Mathematical Physics

FIELDS OF INTEREST

Operating Systems
Microprocessors and Peripheral Devices
Network Stack Development
Information and Network Security
Web Developmaent

SKILLS

PROGRAMMING
Over 5000 lines:
Java • Shell • JavaScript • Matlab
GDB • IDA • Python •
Parsers • Vim • C • C++ • Mysql • PHP •
Assembly

INTERNSHIPS

LINUX-KERNEL INTERN IN OUTREACHY | Project - nftables
5th Dec 2017 - 5th March 2018
- 4 interns selected worldwide in Linux-kernel organisation.
- 64 patches in project till now.

PROJECTS

BACKDOOR | SDSLabs, IITR
- Information security platform for practice and organizing regular internationally-well known CTF contests.
- Written in PHP based on MVC architecture and uses Memcache for caching.

BEAST | automated, containerized challenge deployment
Software Development Section, IIT Roorkee
- Docker based tool to automate deployment of challenge containers spawned individually for each user.

SMART-PRESENTER
- Converts pptx files to audio files.
- Build under a 24 hour hackathon India Hacks, Noida.

EXTRACURRICULAR ACTIVITIES

SOFTWARE DEVELOPMENT SECTION, IIT ROORKEE
- I am a member of SDSLabs, an awesome group of students constantly striving to innovate and foster technical activities at IIT Roorkee. Some of our projects are hosted on github: github.com/sdslabs.
- I have contributed to many of their projects(both public and private) along with many other developers.

CHOREOGRAPHY DANCE SECTION, IIT ROORKEE
- Member of official Choreography and Dance Section, IIT Roorkee.