Harsha Sharma
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ACADEMIC DETAILS

Examination	Board	Institute	Year	CPI/%
Graduation :	*Btech Engineering Physics 3 semesters*	IIT Roorkee	2018	7.59
Class XII	CBSE	MGPS Jaipur	2016	95.2
Class X	CBSE	MGPS Jaipur	2014	9.8

FIELDS OF INTEREST

- Operating Systems, Microprocessors and Peripheral Devices, Network Stack Development, Information and Network Security, Web development

MAJOR PROJECTS AND Internships

- **Linux Kernel Intern in outreachy**
  (Mentor:Prof. Pablo Neira Ayuso, University of Seville) , Dec'5, 2017 - March'5, 2017)
  - Project :nftables(network-filtration tool). .
  - Allocating unique handles for deletion of network routing tables, chains, sets and objects via table handle.
  - Improving automated regression test-infrastructure.
  - Currently working on adding more features and fixing bugs.

- **Backdoor**
  (https://backdoor.sdslabs.co)
  - Backdoor is a platform for hackers to show their talent in a competitive environment. Earlier it was launched only within the IIT Roorkee campus, but now it has been made available for anyone over the internet. It is a Capture the Flag styled event.
  - Implemented search functionality and other features like comparing user profiles.
  - Deploy challenges for practice arena and CTF's

- **Smart-Presenter**
  (https://github.com/hs256/Smart-Presenter)
  - Converts pptx files to audio files
  - Build under a 24 hour hackathon India Hacks, Noida.

TECHNICAL SKILLS

- **Languages** (C, C++, Java, Python)

- **Web Development** (MySQL, Laravel with PHP)

- **Utilities** (Git, Parsers, GDB, IDA, Linux-shell utilities, Vim, Matlab)

COURSES

- Microprocessors and Peripheral Devices, Analog and Digital Electronics, Engineering Analysis and Design, Electrical and Electronic Materials, Computer Programming, Electrical science and Optimization Techniques

EXTRA-CURRICULAR ACTIVITY

- **SDSLabs**: 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: https://github.com/sdslabs/. I have contributed to many of their projects(both public and private) along with many other developers.

- **Choreography and Dance Section**: Member of choreography and dance section of IIT Roorkee.