

# Aakarsh Singh Saini

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akss13.github.io

## EDUCATION

### SRM UNIVERSITY

B.TECH IN INFORMATION  
TECHNOLOGY

AGG. PERCENTAGE - 87%  
(Till Semester 5)

Expected May 2021 | Chennai, IN

### RYAN INTERNATIONAL SCHOOL

CBSE 12TH - 75%  
May 2017 | Jaipur, IN  
CBSE 10TH - 90%  
May 2015 | Jaipur, IN

## LINKS

Github:// [akss13](#)

LinkedIn:// [Aakarsh Saini](#)

## SKILLS

### PROGRAMMING

Proficient:

C & C++ • Shell/Bash • Arduino  
Cmake

Familiar:

Python • Javascript • Java • SQL  
Web Design • Latex • PHP

### TECHNOLOGIES

Git • DigitalOcean • Linux/Unix  
GCP

## INTERESTS

- Scripting
- Internet of things
- Networking
- System administration
- Network security

## PERSONAL DETAILS

### DATE OF BIRTH

5th December, 1998

### LANGUAGES

English • Hindi • Punjabi

### HOBBIES

Skating • Competitive programming  
Binge watching shows

## EXPERIENCE

### YOUR COOL ADVISOR | INTERN

1st June 2019 - 20th June 2019

- Development of embedded application in wireless communication.
- Created smart advertisement billboard using raspberry-pi.

### SRM TEAM ROBOCON | EMBEDDED PROGRAMMER

May 2017 - May 2019

- Developed autonomous robots to compete in ABU ROBOCON 2018.
- The autonomous robot was able to navigate autonomously through an obstacle path and do certain tasks.

### SRM TEAM WRO | NETWORK PROGRAMMER

May 2018 - May 2019

- Stood 3rd in WRO-ARC 2018 competition.
- Created the network framework for autonomous robots.
- Utilised I2C, Serial, CAN, SPI buses to create network framework.

## PROJECTS

### MULTI-CLIPBOARD | KEYBOARD DRIVEN MULTIPLE CLIPBOARDS

[github.com/akss13/Multi-Clipboard](#)

Multi-Clipboard enables keyboard driven multiple clipboards. A dirty hack to have multiple clipboards for copy-pasting multiple text based information.

### RASPBERRY-PI OPENVPN-REPEATER | REPEAT UNRESTRICTED

INTERNET THOROUGH RASPBERRYPI

[github.com/akss13/Raspberrypi\\_openvpn\\_repeater](#)

Uses raspberry-pi as intermediate device for repeating unrestricted internet while having openvpn server on any cloud service provider.

## MOOCS

### GOOGLE CLOUD PLATFORM FUNDAMENTALS: CORE INFRASTRUCTURE

by Google Cloud

### DISCRETE OPTIMIZATION

by The University of Melbourne

### BUILDING WEB APPLICATIONS IN PHP

by University of Michigan

### PROGRAMMING IN C++

by IIT Kharagpur

## AWARDS AND PARTICIPATION

|      |             |                             |
|------|-------------|-----------------------------|
| 2019 | Winner      | Arduino-day Code-quest 2019 |
| 2019 | Final round | IET Hackathon 2019          |
| 2019 | 2/20        | Elek-a-thon 2019            |
| 2018 | Round 3     | ABU ROBOCON 2018            |
| 2018 | 3/50        | WRO-ARC 2018                |
| 2018 | 2/20        | Elek-a-thon 2018            |