

# Aakarsh Singh Saini

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akss13.github.io

## EDUCATION

### SRM UNIVERSITY

B.TECH. IN INFORMATION  
TECHNOLOGY

AGG. PERCENTAGE - 87.79%

(Till Semester 6)

Expected May 2021 | Chennai, IN

### RYAN INTERNATIONAL SCHOOL

CBSE 12TH - 75%

May 2017 | Jaipur, IN

CBSE 10TH - 89.3%

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 • Wordpress • CI/CD

JNI Development • AWS

Socket programming

## 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 an 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.
- Utilized I2C, Serial, CAN, SPI buses to create network framework.

## PROJECTS

### MULTI-CLIPBOARD | KEYBOARD DRIVEN MULTIPLE CLIPBOARDS

[github.com/akss13/Multi-Clipboard](https://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 THROUGH RASPBERRY PI

[github.com/akss13/Raspberrypi\\_openvpn\\_repeater](https://github.com/akss13/Raspberrypi_openvpn_repeater)

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

### RESUME BUILDER | AUTOMATE RESUME GENERATION

[github.com/akss13/Resume-builder](https://github.com/akss13/Resume-builder)

Automate resume generation based on deedy resume and create a static URL for the generated .pdf file.

## 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