

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