

# SAGAR SAXENA

ECE | Embedded Systems | Robotics

*Undergraduate In Electronics and Communication domain.Looking forward to work in a challenging and positive healthy growing environment.Well-versed in PCB designing, Microcontroller prototyping, and ROS. Good at leadership qualities and always keen to learn new and innovative things.*

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## EDUCATION

### BTECH-ECE

Maharaja Surajmal Institute of Technology

08/2018 - Present

New Delhi

## WORK EXPERIENCE

### Content Curator

Collate Innovations

04/2020 - 05/2020

Work From Home

Content provider (notes and video lectures) for different branches of Btech

#### Achievements/Tasks

- My task is to curate content for ECE-2nd year for the academic calendar 2020, subjects curated: Network theory and Analog electronics.

### Electronics Engineering Intern

K.Techno pvt. Ltd

04/2020 - 10/2020

Work From Home

E-waste management

#### Achievements/Tasks

- Working on prototyping different sensors with Esp-32 and create printed circuit board schematics as per requirements.

### Volunteer/Member

IEEE MSIT

06/2019 - Present

New Delhi

IEEE is the world's largest technical professional organization dedicated to advancing technology for the benefit of humanity.

#### Hardware Department Head

- Planning and organizing different workshops, SIG's and tutorials for college students

## ORGANIZATIONS

IEEE MSIT (06/2019 - Present)

Technical Core Team member

## SKILLS

Stm32

Robot Operating System

C++ DSA

Pcb-Designing

Arm-Microcontroller

Arduino

esp32

## PERSONAL PROJECTS

Pcb Designing

- Bread Board power supply
- R-pi hat
- Custom Arduino

## CERTIFICATES

KiCad Like a Pro 2nd edition (05/2020 - 06/2020)

Learnt Ki-Cad software to design print circuit boards

## ACHIEVEMENTS

EYRC 2020-21 (IIT-Bombay) (10/2020 - 02/2021)

Cleared Stage 2(Team Leader). Working on Robot Operating system, Image perception, autonomous navigation, pick and place using a robotic arm and completing different tasks in the given time frame.

## LANGUAGES

English

Full Professional Proficiency

## INTERESTS

Video editing

gaming

Reading