

# S U R B H I K U M A R I

ROBOTICS ENTHUSIAST



## ABOUT ME

An active learner and a robotics enthusiast, always eager to learn new skills. I am a responsible person dedicated to my work. Also, I love to share my knowledge with others. I have strengthened my skills by doing various projects in both software and hardware domains and will be doing more.



## CONTACT

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## SKILLS

C / C ++



Unity



EMBEDDED  
SYSTEMS



BLENDER



V-REP



## EXPERIENCES

EMBEDDED SYSTEMS  
INTERN, IIT Delhi  
AUGUST, 2019 - PRESENT

RAS VICE CHAIRPERSON  
JULY, 2019 - PRESENT

RAS CHAPTER  
REPRESENTATIVE  
JULY, 2018 - 2019

TRAINEE  
JUNE, 2019 - JULY, 2019

WINNER  
MARCH, 2019

WINNER  
JULY, 2019

AEROGRAM PVT. LTD.

Working on air pollution monitoring devices and networking of the devices.

BVPIEEE

Responsible for leading the team, gear up robotics environment in college.

BVPIEEE

Engage with student and make them aware of robotics field and hold various technical events.

DRDO

Trainee at Defence Research and Development organization under Solid state Physics Laboratory studied on Semiconductor and Metal Contacts.

SMART INDIA HACKATHON SOFTWARE EDITION

Participated in Smart India Hackathon in 2019 on a software-based problem statement given by Amadeous Software Labs. We built an application that enhances travel experience of user by viewing the AR(Augmented Reality) view of places they are going to visit and then book tickets according to their convenience.

SMART INDIA HACKATHON HARDWARE EDITION

We gave a solution to the problem statement given by the Apollo Hospitals to assist nurse in her daily tasks in ICU.



## EDUCATION

BHARATI VIDYAPEETH'S  
COLLEGE OF ENGINEERING,  
NEW DELHI  
2017 - 2021

S.S. MOTA SINGH SCHOOL  
2016 - 17

BACHELOR OF TECHNOLOGY

Pursuing B. Tech in Electronics and Communication Engineering.  
9.1295 upto 2nd Semester

12TH (CBSE BOARD)

Aggregate Percentage - 95.4 %



## PROJECTS

### NUTTY SQUIRREL

A robot mimicking the behaviour of a squirrel. The robot picks the nuts, follows a shortest path algorithm and places it /hides it at a position specified. It was one of the themes in E-Yantra Robotics Competition held by IIT Bombay.

### TRAVEL YAAR

An AR (Augmented Reality) app that shows user the view of various stadiums in AR view so that they select the seats as per their choice.

### ROCKER BOGIE MECHANISM ROBOT

Rocker Bogie Mechanism Robot can traverse on multi terrain surfaces due to its highly stable suspension design.

### SMART ICU ROBOT

Currently working on this project to make a robot which assists nurses in ICU in their daily tasks.