

# AADITYA V S SARANGHDEVOT

## ACADEMIC PROFILE

Degree/Certificate		Institution				Percentage/CGPA	Year
B-Tech		Electrical Engineering IIT (BHU), Varanasi				8.17	2021
<b>Sem I</b>	<b>Sem II</b>	<b>Sem III</b>	<b>Sem IV</b>	<b>Sem V</b>	<b>Sem VI</b>	<b>Sem VII</b>	<b>Sem VIII</b>
7.84	7.63	8.97	8.18	7.53	8.76	-	-
Rajasthan board of secondary education (XII)		Shiv jyoti sr. Secondary school,Kota, Rajasthan				82.40	2016
CBSE (X)		Maharana Mewar public school, Udaipur, Rajasthan				95.00	2014

JEE ADVANCED 2017 RANK - 2854

## SKILLS

### programming languages

C,C++,Python,SQL

### softwares

Arduino IDE , openCV , MATLAB

### libraries

scikit-learn , Matplotlib , keras , Tensorflow, Numpy, Pandas

### Areas of interests

algorithms and data structure ,internet of things , Machine learning

## INTERNSHIP/TRAINING

### Samsung noida

18 May,2020-26 june 2020

#### Classification of notification

Machine learning project to classify notifications in various categories.

*learned to handle textual data.*

In depth use of Natural Language Processing.

*Trained models for POS tagging and extracting information from large textual data.*

Learned to extract meta data ,like name, amount , account details etc..

## PROJECTS

### Coupled tank system

jan 2020 - ongoing

#### B.Tech project

- Working under professor shyam kamal of department of electrical engineering .
- Mathematical modelling of coupled tank system.
- Simulation of this model using MATLAB.

### Brushless DC motors and position sensing

jan 2019- april 2019

*exploratory project under Dr. R. K. Shrivastava (Department of electrical engineering)*

\* Learned about BDCM ,hall effect sensors , position sensing.

*Worked on bdcn and position sensing using hall effect sensors , by taking output on oscilloscope.*

Exposure to hall effect sensors and working on oscilloscope.

### Implementation of face filters on live video

april 2018

- Implemented face recognition in OpenCV using image processing on python.
- Used haarcascades classifier to recognize various face elements such as nose , eyes.
- Used image overlapping to implement various face filters.

### Deep learning model of breast cancer image classification

april 2020

- Learned to built convolution neural network for classification of breast cancer images.
- Learned to work on image pixel in matrix format.
- Verified that accuracy of model in CNN is more then svm algorithm.

## EXTRA-CURRICULAR ACTIVITIES

- Participated in volleyball event in spardha 2018(Sports fest of IIT BHU).
- Participated in Quadcopter event in technex 2018(Technical fest of IIT BHU).
- Participated in Robotron in 2017.

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