

# Anurag Sahu

BTech 3rd year IIIT Hyderabad.

## CONTACT

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## LINKS

Github:// [AnuragSahu](#)  
 LinkedIn:// [Anurag-Sahu](#)  
 Quora:// [Anurag-Sahu](#)  
 CodeChef:// [anuragsahu](#)

## COURSEWORK

### UNDERGRADUATE

Operating Systems  
 Artificial Intelligence  
 Algorithms  
 Computation Complexity Theory

Artificial Intelligence  
 Computer Graphics  
 Digital Signal Analysis  
 Formal Methods  
 Computer Networks

## SKILLS

### PROGRAMMING

Over 1000 lines:

- Python
- C++
- Matlab
- Git • MySQL

## CERTIFICATES

### TRAININGS

Diploma in Data Science  
 Training in JAVA ( J2SE | J2EE )  
 Training in PHP.  
 Training in Android.

## EXPERIENCE

### VLEAD | SOFTWARE INTERN

Aug 2018 - Nov 2018 | Hyderabad, India

- Developed the Experiment module for Infix to postfix Exercise.
- Made the Video artefact for the Infix to Postfix Exercise.

## EDUCATION

### IIIT HYDERABAD

BTECH IN COMPUTER SCIENCE

Aug 2018 | Hyderabad, India

### IIIT NAYA RAIPUR

BTECH IN COMPUTER SCIENCE

Jun 2018 - Aug 2018 | Naya Raipur, India

Cum. GPA: 4.1 / 5.0

### SRI SANKRA VIDYALAYA

Grad. Jun 2016 | Hyderabad, India

## RESEARCH

### ROBOTICS RESEARCH CENTER | MASTER'S STUDENT

Dec 2018 - Ongoing | Hyderabad, India

Working on making synthetic warehouses for training the DL/RL models so that the models can be trained with and without supervision.

### ONGOING PROJECT 1 | APPLICATIONS ON SYNTHETIC WAREHOUSES

Given the RGB images of racks with some objects in them, Estimate the Free space in the racks. Find the Bounding boxes around the objects placed in the racks and the racks themselves.

### ONGOING PROJECT 2 | APPLICATIONS ON REAL IMAGES

Given the RGB images of objects find out the 3d Point cloud of the objects in the picture.

## AWARDS

- 2018 top 5 / 10000 Selected for admission through **Lateral Entry at IIITH.**
- 2017 top 18 / 4500 Selected for Think Raipur conducted by RSCL.
- 2017 Best Project Award for making the Air Pollution Monitoring System.

## ACADEMIC PROJECTS

- **Stereo Dense Reconstruction** 3d point cloud out of 2d.
- **Visual Odometry** recovering trajectory using camera.
- **Localization Using EKF** Correcting the robot's estimated path.
- **TIC-TAC-TOE Bot** Playing Xtreme Tic-Tac-Toe.
- **2D Game, 3D Game** and **3D infinite Runner game** in **OpenGL, WebGL.**
- **Matlab Image processing** to remove noise from Images and sound.
- Shell and Changing **xv36 Operating System** for new features.
- **AI MDP Utility generator.**