

# Anurag Sahu

BTech 4th year IIIT Hyderabad.

## EDUCATION

### IIIT HYDERABAD

B.TECH. AND M.S. BY RESEARCH

Hyderabad, India

Expected Graduation:2022

## CONTACT

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AnuragSahu.github.io

## LINKS

Github:// [AnuragSahu](#)

LinkedIn:// [Anurag-Sahu](#)

Quora:// [Anurag-Sahu](#)

CodeChef:// [anuragsahu](#)

## COURSEWORK

Operating Systems

Artificial Intelligence

Algorithms

Statistical Methods in AI

Optimization Methods

Computer Vision

Mobile Robotics

Digital Image processing

Computation Complexity Theory

Introduction to Databases

Computer Networks

Structured Systems Analysis and Design

Distributed Systems

## SKILLS

### PROGRAMMING

• Python

• C++ • Matlab

• Git • MySQL

## CERTIFICATES

### TRAININGS

Diploma in Data Science

Training in JAVA ( J2SE | J2EE )

Training in PHP.

Training in Android.

## OTHER HOBBIES

- Riding

- Creating and Capturing Memories

- DIYing

## EXPERIENCE

### VLEAD | SOFTWARE INTERN

Aug 2018 - Nov 2018 | Hyderabad, India

- Introduced to Gitlab and Github.
- Developed the Experiment module for Infix to postfix Exercise.

### TEACHING ASSISTANT | DIGITAL SYSTEMS AND MICROCONTROLLERS

IIIT Hyderabad, India

- subject offered to First year undergraduate students.

- Responsibilities include designing and correcting exams and assignments.

### JP MORGAN AND CHASE | VIRTUAL INTERNSHIP PROGRAM

May 2020 - June 2020

- Establishing Financial Data Feeds
- Frontend Web Development
- Data Visualization with Perspective

## RESEARCH EXPERIENCE

### ROBOTICS RESEARCH CENTER, IIIT HYDERABAD

- Working under **Professor K Madhav Krishna** on Deep learning Applications on Warehouses.
- Made a synthetic warehouses for training the DL/RL models so that the models can be trained with and without supervision.
- Currently trying to develop Model to Reconstruct the Voxels in the warehouse to estimate the Free space.

## EXTRACURRICULAR ACTIVITIES

### WRITING ON ONLINE PLATFORMS | QUORA (500 K+ VIEWS)

frequent writeups on Quora about various topics like

- Technology
- Image and signal processing
- Collages

## AWARDS

- top 18 / 4500 Selected for Think Raipur conducted by RSCL for comming up with the idea of Smart VAN for Increasing the awareness in rural areas of Chhattisgarh for Education and Government schemes in 2017.

## ACADEMIC PROJECTS

- **Point Cloud Reconstruction** from 2D Images.
- **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**.