

# Anurag Sahu

BTech + MS 5th year IIIT Hyderabad.

## EDUCATION

### IIIT HYDERABAD

**B.TECH. AND M.S. BY RESEARCH**

Hyderabad, India

CGPA : 7.8

Expected Graduation:2022

## CONTACT

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AnuragSahu.github.io

## LINKS

Github:// [AnuragSahu](#)

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

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

CodeChef:// [anuragsahu](#)

3-Star(Highest Rating : 1721)

## 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

## OTHER HOBBIES

- Riding
- Creating and Capturing Memories
- DIYing

## EXPERIENCE

### SONY CORPORATION | SOFTWARE ENGINEERING INTERN

- Working with Sony India team, SARD with Computer Vision Team.
- Developed POC for improving Depth Maps from cameras.
- Creating Dense Depth Maps, Calibrating Depth Maps and RGB Images.
- Human Body Reconstruction using Multiple Views.

### DEEP VIDYA AI PVT. LTD. | COMPUTER VISION INTERN

- Conducting Research on Depth Estimation via Single/Multiple Views.
- Engaging in content creation for Deep learning and Computer Vision Courses.

### 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.
- Dataset "WareSynth : Synthetic warehouse Generation Pipeline."  
[Project Page](#)

## PUBLICATIONS

### MULTI-LAYER LAYOUT ESTIMATION FOR WAREHOUSE RACKS

- Given a monocular colour image of a warehouse rack, predict the bird's-eye view layout for each shelf in the rack.
- Accepted in **ICVJIP 2021**. [arXiv Link](#), [Project page](#)

### RACKLAY

- predict the bird's-eye view layout for each shelf in the rack made it working for real Images.
- able to estimate Ego-Centric Layouts.
- In Review in **ICRA 2022**. [arXiv Link](#), [Project page](#)

## EXTRACURRICULAR ACTIVITIES

### WRITING ON ONLINE PLATFORMS | QUORA (780 K+ VIEWS)

writups on Technology, Image and signal processing, Deep learning

## ACADEMIC PROJECTS

- **Point Cloud Reconstruction** from 2D Images.
- **Stereo Dense Reconstruction** 3d point cloud out of 2d.
- **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.