

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](#)

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 INDIA SOFTWARE CENTRE PVT LTD | COMPUTER VISION INTERN

- 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.
- Performing Experiments using Different CV/DL Algorithms.
- Engaging in content creation for Deep learning and Computer Vision Courses.

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

UNDER REVIEW IN INTERNATIONAL CONFERENCE ON INTELLIGENT ROBOTS AND SYSTEMS 2021

- RackLay : 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. [arXiv Link](#), [Project page](#)

EXTRACURRICULAR ACTIVITIES

JP MORGAN AND CHASE | VIRTUAL INTERNSHIP PROGRAM

May 2020 – June 2020

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

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

frequent writeups on Quora about various topics like
- Technology, Image and signal processing, Deep learning

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.