Anurag Sahu

BTech 4th year IIIT Hyderabad.

EDUCATION

IIIT HYDERABAD
B.Tech. and M.S. by Research
Hyderabad, India
Expected Graduation:2022

CONTACT

Phone +91 7898067490
anurag.sahu@research.iiit.ac.in
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

VLEAD | Software Intern
Aug 2018 - Nov 2018 | Hyderabad, India
- Introduced to Gitlab and Github.
- Developed the Experiment module for Infix to postfix Exercise.

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.
- Paper "RackLay : Multi-Layer Layout Estimation for Warehouse Racks",
- 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 ACTIVITES

WRITING ON ONLINE PLATFORMS | Quora (500 K+ views)
frequent writeups on Quora about various topics like
- Technology
- Image and signal processing
- Collages

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**.