

# Mohit Jain

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## EDUCATION

### UNIVERSITY OF CALIFORNIA, SAN DIEGO

MASTER IN COMPUTER SCIENCE  
January 2021 | Expected  
GPA: 3.814 / 4.0

### INDIAN INSTITUTE OF TECHNOLOGY ROORKEE

B.TECH. IN ELECTRICAL ENGINEERING  
July 2016 | July 2020  
CGPA: 8.188 / 10.0

## LINKS

Github:// [Natsu6767](#)  
LinkedIn:// [natsu6767](#)  
Twitter:// [@Mohit\\_Jain6767](#)  
Blog: <https://mohitjain.me/>  
Academic Website:  
<https://natsu6767.github.io/>

## COURSEWORK

### UNDERGRADUATE

Machine Learning  
Artificial Neural Networks  
Data Structures  
Linear Algebra  
Fuzzy Set Theory and Fuzzy Systems  
Numerical Methods for Electrical Engineering

### GRADUATE

Deep Reinforcement Learning  
Domain Adaptation  
Convex Optimization  
Unsupervised Learning

## SKILLS

### PROGRAMMING

Python • PyTorch • Tensorflow  
C++ • L<sup>A</sup>T<sub>E</sub>X • MATLAB • Java

## EXPERIENCE

### UNIVERSITY OF CALIFORNIA, SAN DIEGO | RESEARCH ASSISTANT

July 2020 - Present | La Jolla, CA, USA

- I am working with Prof. Xiaolong Wang on leveraging visual cues for robotic manipulation. I am leading a project in which we learn deep 3D representations and train an actor-critic method using it.

### UNIVERSITY OF MARYLAND, COLLEGE PARK | RESEARCH INTERNSHIP

June 2019 - January 2020 | College Park, MD, USA

- I worked with Prof Abhinav Shrivastava on Unsupervised Activity Transformation in Videos using Deep Learning techniques. The goal was to synthesize videos of humans performing a different unseen action.

### GTS CORPORATE | SOFTWARE ENGINEERING INTERN

Nov 2018 - Jan 2019 | Dubai, UAE

- Worked on creating a Sales Web Portal for the company using Django. The purpose was to create an easy to use interface for the sales team to log in their dealings and meetings during the day.

## PUBLICATIONS

### LOOK CLOSER: BRIDGING EGOCENTRIC AND THIRD-PERSON VIEWS WITH TRANSFORMERS FOR ROBOTIC MANIPULATION |

R. JANGIR, N. HANSEN, S. GHOSAL, M. Jain, AND X. WANG

Website: <https://jangirishabh.github.io/lookcloser/>

Paper: <https://arxiv.org/abs/2201.07779>

- Accepted for publication in RA-L, 2022 and ICRA 2022.
- We propose a method to fuse information from a 3rd person and an ego-centric camera attached to the robot's arm that can improve performance and sim2real transfer for common manipulation tasks.

## PROJECTS

### INFOGAN IMPLEMENTATION | 243 STARS

<https://github.com/Natsu6767/InfoGAN-PyTorch>

- PyTorch implementation of InfoGAN: Interpretable Representation Learning by Information Maximizing Generative Adversarial Nets.

### DRAW IMPLEMENTATION | 90 STARS

<https://github.com/Natsu6767/Generating-Devanagari-Using-DRAW>

- PyTorch implementation of DRAW: A Recurrent Neural Network For Image Generation on the task of generating Devanagari Characters.

### CONDITIONAL ANIMEGAN | 77 STARS

<https://github.com/Natsu6767/Conditional-AnimeGAN>

- Anime face generation using a conditional Generative Adversarial Network conditioned on eyes and hair color.