

# ANUBHAB SEN

IIIT-Hyderabad, India

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## EDUCATION

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**International Institute of Information Technology, Hyderabad**

*Aug 2015 - Present*

Dean's list (top 5% of class, 2015-16 and 2016-17)

Major (CS) CGPA: 9.47/10

Computer Science and Engineering

Overall CGPA: 8.84/10

Research lab: Centre for Visual Information Technology, IIIT Hyderabad

## TECHNICAL SKILLS

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**Computer Languages**

C/C++, Python, MATLAB, JavaScript, BASH

**Software & Tools**

HTML, SQL, Git, GDB

## RESEARCH EXPERIENCE

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**3D Shape Reconstruction**

June 2017 - Present

*Centre for Visual Information Technology*

*Dr. Avinash Sharma*

- Deep learning network to construct polygon models of humans from Kinect depth cloud data.
- Animate by generating all possible poses once the model is ready
- Attempt to improve on state of art by making calibrations unnecessary.

**Sketch Based Image Retrieval**

August 2017 - November 2017

*Centre for Visual Information Technology*

*Dr. Avinash Sharma*

- Given a sketch as an input gather the closest matching images from the database of images.
- Uses Gestalt principles and HOG features.

**Gaze following**

October 2017 - Present

*Centre for Visual Information Technology*

*Dr. Vineeth Gandhi*

- Deep learning network to follow gaze of people and identify what they are looking at from an image.
- Uses both the orientation of head and salient features in the image to predict where the person is looking.

## ACCOMPLISHMENTS

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- **Undergraduate Teaching Assistant** for **Operating Systems** course in the institute (course taken by 150+ students).
- Semi finalist in an **ultimate tic tac toe (4x4x4x4) AI bot tournament** with over 100 participants.
- Internship at Computer Division, **Indira Gandhi Center for Atomic Research (IGCAR), Department of Atomic Energy (DAE)**, Government of India
- **IIIT-H**: Responsible to build and maintain portals for online contests during the annual college fest.
- **KVPY scholarship** in 2014 conducted by IISc Bangalore with national rank 154
- Became an **NTSE (National Talent Search Examination)** scholar in 2011 conducted by NCERT with a state rank of 2
- **Inspire Award** for exemplary interest in Science and research by the Department of Science and Technology, Government of India
- Represented Region & bagged **4th place** in **national level Math Quiz** conducted by NCERT to commemorate International year of Mathematics