

ANUBHAB SEN

IIIT-Hyderabad, India

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EDUCATION

International Institute of Information Technology, Hyderabad

Aug 2015 - Present

Dean's list (top 5% of class, 2015-16, 2016-17 and 2017-18)

Major (CS) CGPA: 9.48/10

Computer Science and Engineering

Overall CGPA: 9.01/10

Research lab: Centre for Visual Information Technology, IIIT Hyderabad

TECHNICAL SKILLS

Computer Languages

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

Software & Tools

HTML, SQL, Git, GDB

Area of Interest

Computer Vision, Deep Learning

RESEARCH EXPERIENCE AND TEACHING

Undergraduate Research Intern

May 2018 - Present

Indiana University Bloomington, Computer Vision Lab

Dr. David Crandall

- A piano tutor which evaluates a candidate real time by using a video feed of the person playing (checks notes played and the finger used to play the note).
- Socio-Technical approach to privacy by anonymising faces in photos by hallucinating new faces.

3D Shape Reconstruction

June 2017 - Present

Centre for Visual Information Technology

Dr. Avinash Sharma

- Deep learning network to construct voxelised models of humans from single or multiple RGB images.
- Used methods like optical flow, procrustes superimposition and orthographic projections.

Unsupervised Depth Estimation from Video

January 2018 - May 2018

Centre for Visual Information Technology

Dr. Anoop Namboodiri & Dr. Avinash Sharma

- Implemented a deep learning network to learn disparity and depth maps from KITTI dataset in an unsupervised manner without ground truth labels

Undergraduate Teaching Assistant

August 2017 - Present

- Machine Learning (280 students including bachelors, masters, PhD and professionals)
- Computer Graphics course in the institute (150+ students)
- Operating Systems course in the institute (150+ students)

AWARDS & ACCOMPLISHMENTS

- Selected by **Indiana University Bloomington** as part of the **Global Talent Attraction Program** to perform research with the Computer Vision Lab at IU
- **KVPY scholarship** awarded in 2014 by IISc: Fellowship for talented students interested in pursuing a career in research
- 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
- Semi finalist in an **ultimate tic tac toe (4x4x4x4) AI bot tournament** with over 100 participants
- **IIIT-H**: Responsible to build and maintain portals for online contests during the annual college fest