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: 9.5/10
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