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 and 2016-17)   Major (CS) CGPA: 9.58/10
Computer Science and Engineering   Overall CGPA: 8.98/10
Research lab: Centre for Visual Information Technology, IIIT Hyderabad

TECHNICAL SKILLS

Computer Languages	C/C++, Python, MATLAB, JavaScript, BASH
Software & Tools	HTML, SQL, Git, GDB

RESEARCH EXPERIENCE AND TEACHING

3D Shape Reconstruction   June 2017 - Present
Centre for Visual Information Technology   *Dr. Avinash Sharma*

· Deep learning network to construct polygon models of humans from single or multiple RGB images.
· Animate by generating all possible poses once the model is ready

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 a database of images.
· Uses Gestalt principles (Proximity and continuity) 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.

Undergraduate Teaching Assistant   August 2017 - Present

· TA for Operating Systems course in the institute (course taken by 150+ students)

Network Security, IGCAR   December 2016 - January 2016

· Project at Computer Division, Indira Gandhi Center for Atomic Research, DAE, Govt. of India

ACCOMPLISHMENTS

- 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.
- **KVPY scholarship** in 2014 conducted by IISc: National Fellowship for students interested in research career
- 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