ANUBHAB SEN

University of Southern California ⋄ https://anubhabsen.github.io ⋄ anubhabsen@gmail.com

EDUCATION

University of Southern California   *August 2019*
MS in Computer Science (Intelligent Robotics)
International Institute of Information Technology, Hyderabad   *August 2015 - May 2019*
Bachelor of Technology in Computer Science and Engineering   Overall CGPA: 8.81/10
Deans list (top 5% of class, Fall 2015, Spring 2017 and Monsoon 2017)

TECHNICAL SKILLS

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

EXPERIENCE

IIIT Hyderabad   August 2017 - May 2019
· Created and maintained websites and portals (for online contests) for techno-cultural fest (Felicity 2018)
· Mentored 30 freshmen students to produce interactive webapps showcasing CS theories in Cryptography and Computer System Architecture in capacity of a Teaching Assistant in Introduction to Software Systems (Spring 2019)
· Used NodeJS, ExpressJS, ReactJS, SQLite, Flask

Centre for Visual Information Technology IIIT Hyderabad   August 2017 - May 2019
· Part of team, building deep learning networks to generate 3D voxelised models of humans from one or more RGBD images.

Indiana University Bloomington   May 2018 - July 2018
Research intern   *Dr. David Crandall*
· Explored solutions for a piano tutor to evaluate candidates real time by using a video feed of the person playing (checks notes played and finger used).

Gibbr   August 2016 - December 2016
Web Developer
· Developed a web chat bot for businesses with web presence to replace traditional FAQ pages.
· Used NodeJS, ReactJS, LevelDB

PROJECTS

Unsupervised Depth Estimation   Computer Vision
· Developed a deep learning network to generate depth maps from RGB images in an unsupervised manner using the KITTI dataset.

Gaze Following   Statistical Methods in AI
· Implemented a deep learning neural network to identify all the humans in an image and mark what they are looking at from an attention network and visual salience of the image.

Sketch Based Image Retrieval   Digital Image Processing
· Built a sketch based image retrieval system using Gestalt principles to identify important edges, used perceptual grouping and KNN to generate similarity scores to retrieve similar images.