Anjali Chourdia

Computer Science and Engineering
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Academic Details

Sept'17 - Present	Fall'17 Transfer Sophomore Undergrad Bachelor of Science from **New York University** in Computer Science and Engineering
July'15 - May'17	Matriculated from **Indian Institute of Technology, Delhi** in Biochemical Engineering and Biotechnology — Gpa: 8.1/10

Scholastic Achievements

- **Cleared** the **first stage** for the selection of **Indian team** to **IMO-2014**
- **Secured 2400/2400 in SAT** Subject Tests(Physics, Chemistry and Maths Level II) conducted in October 2016
- **Best Presentation** in Bal Vigyan(Young Scientist Award): Biology & Biotechnology Competition. Organized by the Sahodaya Schools Complex, CBSE.

Internships and Projects

Deep Learning Summer Intern — The Go Game
San Francisco — *June 2017 - July 2017*

- Worked on a deep learning framework that involved counting the number of human faces in a given image. This was used to manage and verify the working of remote offices of the company.
- Extended the working of the DeepResNet model for image segmentation to incorporate different human faces and postures. Segmented images were counted for the number of contours present, to give the count of humans in the photo.
- Developed an Image Search system using Image Captioning models and an Inverted Image Index to give all the images containing the words of the input query.

Interactive Digital Video Montage — Prof. Subhashis Banerjee
IIT Delhi Independent Project — *Jan. 2017 - March 2017*

- Implemented the baseline papers:Interactive Digital Photomontage (Aseem Agrawala et al.) and Fast Approximate Energy Minization via Graph Cuts (Boycov et al.).
- Worked on a computer assisted framework for combining parts of a set of photographs into a single composite picture using techniques such as: Graph-cut optimization and gradient domain fusion.

Gateway for connecting IoT devices to Internet — Prof. Abhishek Srivastava
IIT Indore Winter Internship — *Dec. 2016 - Jan. 2017*

- Worked to develop a technology agnostic gateway for connecting the proprietary technology driven IoT devices to the standard technology of the Internet
- Implemented RESTful APIs for converting the proprietary MTUs to MTUs comprehensible to the IP protocol.
- Worked on design of a Java application with URIs so that it is exposed over RESTful APIs

Relevant Courses

- **Computer Science and Mathematics**
  Data Structures & Algorithms, Digital Logic and State Machine Design*, Discrete Mathematics*, Object Oriented Programming in C++*, Machine Learning by Andrew Ng, CS131: Computer Vision: Foundations and Applications, and CS231n: CNNs for Visual Recognition, Calculus, Linear Algebra, Differential Equations

Technical Skills

- **Programming Languages and Frameworks:** Python, C++, Java, C, MATLAB, Tensorflow, Keras, HTML5.0