Anjali Chourdia

Biochemical Engineering and Biotechnology
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Academic Details

Year	Degree	Institute	CGPA/Percentage
2015-2019 (Expected)	B.Tech in Biochemical Engineering and Biotechnology	Indian Institute of Technology Delhi	8.34/10
2015	Class XII, CBSE	ILVA Hr. Secondary school, Indore	91.8%
2013	Class X, CBSE	Sri Sathya Sai Vidya Vihar, Indore	9.8/10

Scholastic Achievements

- **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.
- **Cleared** the **first stage** for the selection of **Indian team** to **IMO-2014**

Internships and Projects

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

- Working on developing a deep learning pipeline to count the number of people in a given image. Using DeepResNet for object segmentation and then using Contour-Counting for calculating the number of faces
- Working on developing an image search index for the Sales team, by captioning the images and storing the captions as an Inverted Image Index.

Interactive Digital Video Montage — Prof. Subhashis Banerjee
IIT Delhi Independent Project — *Oct. 2016 - Present*

- Implemented the baseline papers:Interactive Digital Photomontage (Boycov 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.
- Future work includes applying the idea of photo montage across multiple videos with disjoint features to generate a video with features complimenting each other.

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.
- Currently working on design of a Java application with URIs so that it is exposed over RESTful APIs

Relevant Courses

- **Computer Science and Mathematics**
  Introduction to Computer Science, Data Structures & Algorithms, Analysis and Design of Algorithms *, Machine Learning by Andrew Ng, CS131: Computer Vision: Foundations and Applications, and CS231n: Convolutional Neural Networks for Visual Recognition, Calculus, Linear Algebra, Differential Equations

  * Courses to be taken in the fall semester of 2017

Technical Skills

- **Programming Languages:** C, C++, Java, Python, MATLAB, HTML5.0