Anjali Chourdia

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Academic Details

Sept'17 - Present	BS from **New York University** in **Computer Science and Engineering** — Gpa: 3.74/4 - Dean's list Fall'17 - Spring'18
July'15 - May'17	Matriculated from **Indian Institute of Technology, Delhi** in Biochemical Engineering and Biotechnology — Gpa: 8.1/10

Internships and Projects

Feed Ads Quality Team, Facebook Inc., Menlo Park, CA **May 2018 - Present**
Software Engineering Intern

- Working to improve the post-click experience for news feed ads, which receives roughly 300 million clicks everyday.
- Introduced new offline data pipelines for machine learning models that lowered the system workload and query latency time by 60%.
- Migrated the currently used machine learning models to a new architecture, which increased the business top level metrics by 3% and reduced the model's memory usage by 50%.
- Served the new models in Facebook Ads Ranking Infra system and introduced a new bid in the Facebook Ads Auction system.
- Currently working to improve the bad landing page feed ads experience.

The Go Game, San Francisco, CA **June 2017 - July 2017**
Deep Learning Intern

- Worked on a deep learning framework to count the number of human faces in a given image, which was used to manage and verify the working of remote offices of the company.
- Worked on a deep learning model to accommodate for different human poses and used it for image segmentation.
- Developed an image search system using image captioning models and an inverted image index to give all the pictures corresponding to a word query.

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

- 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.
- Worked on extendingg the idea of photo montage across frames in multiple videos to generate a new video.

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

- Developed 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.
- Designed a Java application with URIs so that it is exposed over RESTful APIs.

Relevant Courses and Technical Skills

Algorithms, Computer Architecture, Computer Networking, Discrete Mathematics, Machine Learning†, Computer Vision†, CNNs for Visual Recognition†, Numerical Optimization*, Operating System*, Artificial Intelligence*, Linear Algebra, Differential Equations
*To be completed by Fall'18, † MOOCS

- **Programming Languages and Frameworks:** C++, Python, Java, C, Tensorflow, Keras, MySQL