

ANJALI CHOURDIA

Biochemical Engineering and Biotechnology
Indian Institute of Technology, Delhi

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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.
- **First in School** in Std. XII in All India CBSE examinations. Awarded a memento for the same.

INTERNSHIPS AND PROJECTS

Interactive Digital Video Montage

IIT Delhi Independent Project

Prof. Subhashis Banerjee

Oct. 2016 - Present

- Implemented the baseline papers: Interactive Digital Photomontage (Boykov et al.) and Fast Approximate Energy Minimization via Graph Cuts (Boykov 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

IIT Indore Winter Internship

Prof. Abhishek Srivastava

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, Mathematics and Electrical Engineering:**
Introduction to Computer Science, Data Structures & Algorithms *, Calculus, Linear Algebra, Differential Equations *, Intro to Electrical Engineering
 - **Biotechnology and Chemical Engineering:**
Microbiology, Biochemistry, Mass and Energy Balance, Transport Phenomena
- * Courses to be completed in the spring semester of 2017

TECHNICAL SKILLS

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