

# Saurabh Batra

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## EDUCATION

- 2014 – 2018 Computer Science  
BACHELORS IN TECHNOLOGY  
IIT Guwahati; CGPA: 8.90
- 2012 – 2014 Non - Medical Sciences  
SGGSPS, Chandigarh; 93.4% in  
CBSE 12th Board Exams.
- BEFORE 2012 10th grade and Previous  
Bhavan Vidyalyaya, Chandi-  
garh; Scored perfect 10.0 CGPA  
in CBSE 10th Board Exams.

## PROJECTS

MAY – AUGUST 2016

Google Summer of Code with CiviCRM

### *Development of an import to any CiviCRM API extension*

CiviCRM deals with new clients migrating from other CRM technologies all the time. This project is focused on creating an easy to use visual interface on top of the existing CSV to DB API and also add more data-source formats including but not limited to Google Sheets, Excel Sheets, CSV files etc. Full description of project can be found on the Google Summer of Code page.

JANUARY – APRIL 2016

Software Engineering - Academic Project

### *Work-flow Automation API*

We designed and successfully made a PHP framework which used the concept of finite automata to ease the process of making multi-stage forms for complex work-flows. Our team was awarded marks more than the maximum by the instructor and we are currently in talks with the Dean R&D IIT Guwahati to use our framework for institue-wide automation of forms. The code is open-source under MIT License and can be found [here](#).

JANUARY – APRIL 2016

System Programming - Academic Project

### *Krawler - A Search Engine*

Built a search engine which crawls the IITG intranet every day. Python packages such as whoosh and BeautifulSoup were used for indexing and scraping the web-pages while PHP, HTML5 and CSS3 were used for the front-end.

JANUARY – APRIL 2016

System Programming - Academic Project

### *Assembler, Linker and Loader for 8085 Processor*

Created an assembler, linker and loader for the instruction sets of 8085 processor. The string parsing and back-end was done in Python while the GUI was a web-app using PHP, HTML5 and CSS3.

DECEMBER 2015

Commercial Project

### *MARS: L'Oréal India*

Material Acquisition Request System; a simple web-app built on PHP, MySQL for the line operator to request materials from the warehouse without moving. Included daily automated logging of requests and their statuses on the server in the form of Excel sheets. Code can be found [here](#).

OCTOBER – NOVEMBER 2015

System Software - Academic Project

### *Filepanda - File Sharing System*

A file sharing system similar to DropBox built on top of Django Python framework. The code can be found [here](#).

## ACHIEVEMENTS

- 2016 Head, IIT-G Gymkhana Web Ops
- 2016 Chief of Staff, IITG MUN Techniche
- 2016 Participated in over 11 Model UN conferences  
3 as Executive Board member, 2 as organizing member, and rest as a delegate.  
Won awards in all conferences in which I was a delegate. MUN CV [here](#).
- 2015 Microsoft Code.Fun.Do: App placed in top 4 innovative ideas
- 2014 Cleared JEE Advanced with rank 924  
Approximately top 0.066% according to All India Rank
- 2012 Qualified for INMO (Indian National Mathematics Olympiad)  
35 students qualified from Haryana, Himachal Pradesh, Punjab region.

## SOFTWARE SKILLS

PHP, C, HTML, CSS, git, Linux, MySQL, JavaScript (including AngularJS and D3JS),  $\text{\LaTeX}$ , Python (including Django web-framework), C++, shell