

# Saurabh Batra

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## EDUCATION

### IIT GUWAHATI

BTECH IN COMPUTER SCIENCE & ENGINEERING

Expected June 2018

Cum. GPA: 8.74

### SGGSPS, CHANDIGARH

Grad. 2014| 93.2% CBSE Board

### BHAVAN VIDYALAYA

Grad. 2012| Chandigarh, India

10.0 CGPA in 10th grade

## LINKS

Github:// [saurabhbatra96](#)

LinkedIn:// [saurabhbatra96](#)

Facebook:// [saurabhbatra](#)

## COURSEWORK

### UNDERGRADUATE

Software Engineering

Algorithms + Data Structures

Computer Organization & Architecture

Automata Theory

Discrete Mathematics

Unix Tools and Scripting

## SKILLS

### PROGRAMMING

Over 2500 lines:

PHP | JavaScript | C |

AngularJS | CSS | NodeJS

Frequently used:

Shell | MySQL | Python

Familiar:

Ruby | D3JS | ReactJS | C++

## PROJECTS

### IMPORT EXTENSION FOR CIVICRM | GOOGLE SUMMER OF CODE

May 2016 – Aug 2016

- Aim: Develop an extension which allows CiviCRM users to import existing client data from CSV, Excel and Google Sheets format to Civi's database.
- Technology used: AngularJS and PHP. Repository link.

### CLI FOR GOOGLE DRIVE | HOBBY PROJECT

June 2016

- Aim: Develop a CLI wrapper on top of the Google Drive API so that the user can conveniently access Drive using Linux-like commands (ls, cd, rm etc).
- Technology used: NodeJS. Repository link.

### WORK-FLOW AUTOMATION API | ACADEMIC PROJECT

Jan 2016 - Apr 2016

- Aim: Develop a workflow automation tool using the concepts of finite automata, to ease the construction of multi-stage forms.
- Technology used: PHP and Shell scripting. Repository link.
- Plus point: Awarded AS (A Star) grade by Prof. Saurabh Joshi.

### KRAWLER - A SEARCH ENGINE | ACADEMIC PROJECT

Jan 2016 - Apr 2016

- Aim: Build a search engine, using Python libraries: Whoosh for indexing and BeautifulSoup for scraping, which crawls the IITG intranet.
- Technology used: Python, PHP, HTML5 and CSS3.

### ASSEMBLER, LINKER AND LOADER | ACADEMIC PROJECT

Jan 2016 - Apr 2016

- Aim: Create an assembler, linker and loader for the instruction sets of 8085 processor.
- Technology used: Python.

### FILEPANDA - FILE SHARING SYSTEM | ACADEMIC PROJECT

Oct 2015 - Nov 2015

- Aim: Build a web-based file sharing system to be used on the IITG intranet.
- Technology used: Django (Python framework).

## ACHIEVEMENTS

2016 Head, IIT Guwahati Gymkhana Web Ops

2016 Chief of Staff, IIT Guwahati Model United Nations, Techniche

2016 Participated in over 11 Model United Nations conferences: 3 as Executive Board member, 2 as organizing member, and rest as a delegate. Won awards in all conferences attended as a delegate.

2015 Project Manager, IIT Guwahati Gymkhana Web Ops

2014 Secured All India Rank 928 among 1,50,000 students in JEE Advanced.

2013 Finalist, Indian National Mathematics Olympiad.

Only 35 students from grade 9 to 12 were selected from the North region.