

Saurabh Batra

Indian Institute of Technology | [saurabhatra96.github.io](https://github.com/saurabhatra96)

EDUCATION

IIT GUWAHATI

BTECH IN COMPUTER SCIENCE & ENGINEERING

Grad. June 2018

Cum. GPA: 8.16

SGGSPS, CHANDIGARH

Grad. 2014 | 93.2% CBSE Board

BHAVAN VIDYALAYA

Grad. 2012 | Chandigarh, India

10.0 CGPA in 10th grade

LINKS

Github:// [saurabhatra96](https://github.com/saurabhatra96)

LinkedIn:// [saurabhatra96](https://www.linkedin.com/in/saurabhatra96)

Facebook:// [saurabhatra](https://www.facebook.com/saurabhatra)

COURSEWORK

Software Engineering

Algorithms + Data Structures

Operating Systems

Compilers

Networks

Databases

Information Retrieval

High Performance Computing

Automata Theory

Discrete Mathematics

Unix Tools and Scripting

CODING

2000+ lines:

Java - JavaScript - C

NodeJS - AngularJS - PHP

1000+ lines:

Go - Python - C++ - CSS

0-500 lines:

Shell - MySQL - D3JS

Ruby - Yacc

ACHIEVEMENTS

2016 - Runners up, Microsoft

Code.Fun.Do

2016 - Head, IIT Guwahati Gymkhana

Web Ops

2016 - Chief of Staff, IITG Model United

Nations, Techniche

2016 - Participated and won awards in

over 11 MUN conferences

2015 - Project Manager, IIT Guwahati

Gymkhana Web Ops

2014 - AIR 928 in JEE Advanced

2013 - Finalist, Indian National

Mathematics Olympiad.

EXPERIENCE

APPLICATIONS ENGINEER | ORACLE

Jul 2018 – Ongoing

- Currently working as an applications engineer for Oracle HCM Cloud. Underwent certificate grade training in Java, Java EE, Oracle ADF and SQL.
- Technology used: Java EE, SQL

FRAUD DETECTION FOR WIKIMEDIA FOUNDATION | GOOGLE SUMMER OF CODE

May 2018 – Aug 2018

- Project: Worked to develop an internal web service for WMF which scores transactions as fraud/genuine. The requests are received by an API which acts as a facade for a carefully modelled and tuned gradient boosting classifier. The response is then sent to Donor Services for review.
- Impact: The API prototype is ready and pending integration with the transaction workflow. Tentative analysis of the model showed that WMF savings could be upped by tens of thousands of dollars using this service.
- Technology used: Python, Sklearn, Flask. Blog link.

CONNECTOR PLATFORM - CLI | GOOGLE SWE INTERN

May 2017 – July 2017

- Project: Made an internal web-service which parses CLI-like requests and maps them onto Google API requests. The service was built on top of an internal connector platform and was aimed to help sysadmins write scripts to administer their content in GSuite. These clients can generate custom CLI commands using short and easy-to-make JSON configs.
- Impact: Pushed 5000+ lines of code, demoed a finished prototype to VP Eng. - Google Apps, deployed an internal API on a microservices framework.
- Technology used: Java, Python, internal microservices framework, gRPC, Powershell.

IMPORT EXTENSION FOR CIVICRM | GOOGLE SUMMER OF CODE

May 2016 – Aug 2016

- Project: Developed a third-party connector add-on which allows users to import existing client data from CSV, Excel and Google Sheets format to Civi's database.
- Impact: Pushed 1500+ lines of code to Civi's codebase. Extension has gone through closed alpha testing.
- Technology used: AngularJS and PHP. Repository link.

PROJECTS

JON KNOWS | MICROSOFT CODE.FUN.DO

October 2016

- Aim: Develop an assistant for Microsoft Word which helps you increase productivity by listing out useful synonyms, suggesting image captions, searching Bing based on your text and help improve the tone of your article using Sentiment Analysis.
- Technology used: JavaScript, NodeJS.
- Plus point: First runners up. Repository link. Video 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 in Software Engineering by Prof. Saurabh Joshi.