Saurabh Batra

Indian Institute of Technology | saurabhbatra96.github.io

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:// **saurabhbatra96**
LinkedIn:// **saurabhbatra96**
Facebook:// **saurabhbatra**

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 - Python - PHP
1000+ lines:
Go - Oracle Jet - 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
- Working as an Applications Engineer with the Oracle HCM Cloud team. My work is focused on developing end-to-end prototypes for text and voice-based digital assistants (chat-bots) and asynchronous RPA flows using Selenium.
- Technology used: Python, Oracle JET (JavaScript MVVM framework), Java, Dialogflow, Oracle SQL

FRAUD DETECTION FOR WIKIPEDIA (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 custom modelled 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.
- 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 apha testing.
- Technology used: AngularJS and PHP. Repository link.

PROJECTS

AI FOR TETRIS | HOBBY PROJECT
April 2017
- Aim: Make an AI which plays Tetris; record and analyze data about how it performs while using different playing strategies. The final bot uses a genetic programming algorithm to optimize the heuristics it works on.
- Technology used: Go. Repository link. Blog link.

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.