# Samyak Jain

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## EDUCATION

### IIIT HYDERABAD

BTech in Computer Science
Expected May 2019 | Hyderabad,India
Cum. GPA: 7.76

## LINKS

Github:// **sj29-innovate**
LinkedIn:// **samyakjain**

## COURSEWORK

### UNDERGRADUATE

Databases
Operating Systems
Computer System Organization
Digital Logics
Data Structures and Algorithms
Artificial Intelligence
Computer Networks
Unix

## SKILLS

### PROGRAMMING

• C • C++ • Javascript • Python
• Matlab • Apex • HTML • CSS
• Assembly • MySQl

## EXPERIENCE

### WEBENGAGE | Software Engineering Intern

May 2017 – July 2017 | Mumbai, India

- Developed a Salesforce CRM integration solution for Webengage marketing automation tool.
- Main objectives involved were to be able to synchronize client data between Salesforce and Webengage in real time and to be able to capture events from Salesforce for Webengage Journeys.
- Extensive use of Salesforce Rest,BULK,Tooling API's and APEX programming for developing and injecting web hooks.

## OPEN SOURCE CONTRIBUTIONS

### SUSPER SEARCH ENGINE | Fossasia

November 2016

Contributed to the UI development for the Susper Search Engine which is a part of Fossasia Open Source Organization.Worked on developing a google like interface for the Susper search engine.

### DATA STRUCTURES AND ALGORITHMS | Saru/DSA

October 2016

Developed python versions of algorithms like Djikstras,MergeSort,BFS,DFS for ICPC Team Notebook.

## PROJECTS

### AUTOMATIC FILE SYNCING SYSTEM | Computer Networks

March 2017

Developed a system which would keep two directories in sync with each other by keeping track of file creation,updation and deletion in any of them.The system would support commands such as CheckHash,SendFile which can be used to send files between directories over TCP or UDP connections and also check data integrity using MD5 hash.

### MINI SQL ENGINE | Databases

August 2018

Implemented a mini SQL engine in C++ which had support for basic SQL statements along with aggregate functions such as max(),avg(),count().

### MINI SHELL | Operating Systems

October 2016 - November 2016

Developed a mini UNIX Shell which would support UNIX commands like ls,cd,cat,chdir and others.The shell also supported some complex operations such as File input/output and piping.The project involved concepts of Multithreading,Signal Handling.

### ULTIMATE 4BY4 TIC TAC TOE BOT | Artificial Intelligence

Jan 2017 – Feb 2017

Developed an ULTIMATE 4by4 TIC TAC TOE Bot using Minimax Search and Alpha Beta Pruning Technique in Python.Developed a heuristic function based on the varying weights of various positions on the board.

## AWARDS

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|---|---|---|
| 2016 | Top 300 | ACM-ICPC India Regional Qualification Round |
| 2017 | Top 50 | TechGig Code Gladiators |