Samyak JAIN

PERSONAL DATA

ADDRESS:	D206 OBH IIIT Hyderabad, India
PHONE:	+91 9642029111
EMAIL:	mnsn1970@gmail.com
GITHUB :	sj29-innovate
LINKEDIN :	samyakjain

WORK EXPERIENCE

May-July 2017 | **Software Engineering Intern at WEBENGAGE Mumbai, India**
Salesforce CRM Integration

Developed a Salesforce CRM Integration solution for Webengage Marketing Automation Tool. The scope of the project was to achieve real time data synchronization and event tracking from Salesforce which could be used for event triggering in Webengage Journeys. This project greatly impacts Webengage's marketing capabilities through WebPush , Inapp , Email and other channels.

SEPT-NOV 2016 | **Software Engineering Intern at THE RIGHT DOCTORS, Hyderabad**
Rest API's Development

Developed REST API's for an Android Application which digitizes doctors prescription. REST API's were developed in NodeJS and using MySQL database.

OPEN SOURCE CONTRIBUTIONS

NOVEMBER 2016 | Linux Team Member at FOSSASIA,
SUSPER Search Engine

Worked on developing Front End for Susper Search Engine using HTML,CSS,Javascript

OCTOBER 2016 | Contributor at SARU/DSA,
Algorithms

Worked on writing python code for algorithms such as BFS,DFS,Djikstras,BellmanFord. for ICPC Team Notebook.

COMPUTER SKILLS

Basic Knowledge:	JAVASCRIPT, LUCENE, APEX, OPENGL
Intermediate Knowledge:	C++, C, MySQl , Python, Linux

COURSES

DATABASES
DATA STRUCTURES AND ALGORITHMS
SOFTWARE DESIGN
COMPUTER NETWORKS
OPERATING SYSTEMS
COMPUTER SYSTEMS ORGANIZATION
DIGITAL SIGNAL APPLICATIONS
NATURAL LANGUAGE PROCESSING*

Achievements

October 2016	Ranked in Top 250 outstanding curriculum in ACM ICPC Regionals Selection Round
June 2017	Ranked in Top 100 Techgig Code Gladiators Onsite Finale

Education

August 2015	Bachelor Of Technology Computer Science, **International Institute Of Information Technology**, Hyderabad,India Gpa: 7.76/10

Projects

March 2017 — Automatic File Syncing System , Computer Networks
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

April 2017 — Distance Vector Routing Protocol , Computer Networks
Simulated a Network which supports Distance Vector Routing using UDP sockets.
The routing algorithm was able to compute shortest path using Bellman Ford Algorithm.
Real time routing table updation was done using the protocol.

August 2018 — Mini SQL Engine , Databases
Developed a Mini SQL Engine in C++ which was able to parse queries and
perform basic SQL operations such as SELECT,FROM,WHERE along with aggregate
operations such as max(),sum() and also JOINS

October 2016 — Mini Shell , Operating Systems
Developed a mini shell which would support all basic linux commands such as ls,cd,mkdir etc.
The shell also supported background processes , signal handling
along with avoiding Zombie Processes.

Jan 2017 — Ultimate 4by4 TIC TAC TOE BOT , Artificial Intelligence
Developed an Ultimate 4By4 TIC TAC TOE BOT using minimax search and alpha beta pruning technique.
Also a heuristic was developed based on various board positions
and dynamic weights according to game situations.
A simple system to control attacking and defensive behaviour of bot was also developed.

March 2017 — Bloxorz 3d Game , Computer Graphics
Developed my version of 3d game BLOXORZ using OpenGl(C++).
The game supported various features of the original game such as breakable tiles,holes and bridges.

Interests and Activities

Technology, Open-Source, Programming
Pure Mathematics, History
Cricket, Football