Samyak JAIN

PERSONAL DATA

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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 GENSIM, NUMFOCUS,
Natural Langugage Processing
Worked for gensim python library writing some document matching modules
and bug solving for word2vec module.

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
DATABASE SYSTEMS

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: 7.8/10

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	Improving Parsing Using Distributional Semantics , Natural Language Processing Improved capabilities of a traditional CYK Parser so that it could handle unknown words using distributional semantics to create a word embedding, Given sentence would be tagged with cluster centres before running CYK algorithm so that unknown words can also get parsed into a parsed tree.
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