

Sameer Jain

M.Tech. C.S.E.

International Institute of Information Technology- Hyderabad (IIITH)

Email : jainsameer20@gmail.com
sameer.jain@students.iiit.ac.in

Phone No : +91-8106543930

EDUCATION

Year	Degree	Institute	CGPA/Percentage
2016 (expected)	M.Tech	IIIT, Hyderabad	7.25 (3 semesters)
2014	B.Tech.	ZHCET, AMU	8.23
2010	12th	Senior Secondary School (Boys), AMU	79.5
2008	10th	St. Francis Senior Secondary School, Hathras	84.5

OBJECTIVE

To work in an environment where learning and working are considered equally important, hence utilizing my technical skills efficiently & effectively and polishing them for further utilization.

PROJECTS

Build a Virtualization Orchestration Layer (Nov 2015)

Description: Provides a simple web interface to interact with the APIs of underlying hypervisor. Created APIs to expose functionalities such as creation, deletion and querying the Virtual Machines as well as allowing the user to create volumes and attaching and detaching the volumes to the VMs. Multiple machines can be connected running the same hypervisor and can be instructed to create and run the VMs on the fly.

Generic IOT platform (Jan 2015)

Description: Developed a generic IOT platform layer which acts building blocks for any IOT application development. It defines APIs and protocols to establish well defined communication system which were implemented in Node.js, MongoDB. Android was used to build simulated sensors and gateways. Node.js + express were used to build filter and logical servers.

Wikipedia Search Engine (Jan 2015)

Description: Parsed Wikipedia 43 GB dataset to create index based on tf-idf ranking and created a searching interface to get top results for the user query to retrieve relevant documents. Java, XML, IRE techniques are used in this project.

Mini SQL Engine Implementation (Jan 2015)

Description: Created a mini SQL Engine that supports SELECT, FROM and WHERE clauses with the implementation of AND/OR clauses. The SELECT query was tested on one or more than one tables using natural join. Various Aggregate functions such as SUM, AVG, MAX and MIN were also implemented.

Linux Shell Implementation (Nov 2014)

Description: Created my own Linux shell (similar to bash) that works the same way as generic shell provided on Linux machines. It supports all commands that bash handles including piping, redirection, environment variables etc.

Universal Cloud Access (Nov 2014)

Description: Universal Cloud Access (UCA) is a web application from which the user can view/search and download all of its data stored on existing Cloud Storage Services such as Google Drive and DropBox from one single place. It is based on web2py framework.

ImageChef (August 2013 to May 2014)

Description: ImageChef is an image processing application which provides various features on image like image retrieval, morphing, blending, filtering, edge detection, editing and warping. It also provides an option to users to customize (formatting) their pictures as per their choices. It is a Java desktop based application.

E.T.C. (E-Mail Composer, Task Manager, Contact Manager) (July 2012 to December 2012)

Description: E.T.C. is basically a 3-in-1 android application comprising of email composer, task manager, and contact manager. It is similar to "Outlook", in which you have the facility of composing mail, CRUD (creating, reading/viewing, updating and deleting) operations on any task or contact. In addition, you are notified to an existed event (task) by the notification/alarm displaying the message of task.

Word-Master (January 2012 to April 2012)

Description: Word-Master is a LAN based two-player game. Primarily, game of Word-Master is designed to learn and enhance your vocabulary skills. Objective of the game is to guess the correct words for given blanks in 100 seconds. It is a Java based application.

COMPUTER SKILLS

Languages (Proficient in): C, C++, Java

Web-Based Languages: HTML, CSS

Frameworks: Node.js, Web2Py

Platforms: Linux, Windows, Android

EXTRA CURRICULAR ACTIVITIES / ACHIEVEMENTS

- Secured AIR 719 in GATE exam in 2014.
- Qualified preliminary Round of *Code Uncode* organized by *EC Council* in June 2013.
- Presented Paper Abstract in the *prototype presentation* event "NOVANATE", in Barqq 2013, ZHCET, AMU.
- Participated in Android-O-Mania event, in Carpediem 2012, ZHCET, AMU
- Participated in various quiz competitions during school years and received applauds.