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# Education

### International Institute of Information Technology

Hyderabad, India

B.Tech in Computer Science and Engineering - CGPA: 8.94/10

Aug 2013- April 2017

# Experience\_

Media.net Mumbai, India

PLATFORM ENGINEER Jul 2017 - PRESENT

- Worked towards building a back-end system for generating Auto-Templates which are ads optimized based on website's appearance.
- Built and deployed overall service infrastructure utilizing Docker containers and Jenkins while using Selenium along with headless Firefox to extract colors from websites and designing templates/ads based on it
- Worked towards clustering websites based on appearance to introduce different templates/ads into existing system and to improving the performance of the learning algorithms being used.

Haiku, Google Code-In India

MENTOR 2015- PRESENT

Worked as a Mentor for Haiku (BeOS based operating system) to introduce students to open source during Google Code-In

#### Chapel, Google Summer of Code

India

STUDENT DEVELOPER May 2016 - Aug 2016

· Worked primarily towards developing basic blocks for Incremental compilation, restructuring the generated codes, building an initial version of the code-cache and analyzing ways to improve the performance of the Chapel compiler.

# **RIOT-OS, Google Summer of Code**

India

STUDENT DEVELOPER May 2015 - Aug 2015

• Built a module to add dynamic linking support for RIOT-OS to allow the software to be updated at run-time. The work focused on creating an ELFparser to fix the addresses used within and across modules for target boards.

**IIIT-Hyderabad** Hyderabad, India

TEACHING ASSISTANT 2015-2017

- Operating Systems (Monsoon 2015)
- Computer System Organization (Spring 2016, Spring 2017)
- Compilers (Monsoon 2016)

# Past Projects

**Map-Reduce Framework** Hyderabad, India

STUDENT UNDER PROF. VIVEKANAND VELLANKI [COLLEGE PROJECT]

Spring, 2016

- Built a distributed shared file-system using Java RMI and Google Protobuf.
- Implemented Map-Reduce framework on top of the shared file-system to build a distributed grep search.

**Gamification Engine** Hyderabad, India

STUDENT DEVELOPER, FORTUITY INFOTECH PVT. LTD.

Monsoon, 2014

 Worked towards building the backend of a pluggable-gamificaiton engine by creating an event based system which used Rabit-mq and MySql to keep track of user actions and translate the user events into quests and reward-points.

## CI/CD Pipeline with Docker STUDENT UNDER PROF. VASUDEVA VARMA [COLLEGE PROJECT]

Hyderabad, India Monsoon 2015

Developed a build system that leverages Docker for implementing Continuous Integration and Delivery pipeline.

Project allowed git commits to start off packaging a Docker image after successful build and provisioned them directly in a Virtual Machine.

#### **Cloud Orchestration Layer**

Hyderabad, India

STUDENT UNDER PROF. VASUDEVA VARMA [COLLEGE PROJECT]

Monsoon, 2015

- Created a cloud orchestration layer using libvirt and ceph
- · Created REST-API's to provide support for creation, deletion, querying and scheduling of virtual machines in a network

### **Achievements** .

2013-2017 Dean's Merit List, Listed in Dean's Merit list for Academic Excellence (6 semesters) in College

Hyderabad, India

2012-2013 AIR 737, Ranked 737 in IIT-JEE Mains among 1.3 million people who appeared for the exam.

India

2012-2013 AIR 92, Ranked 1st in state and 92nd in India in the IIT-JEE Mains Aptitude Test (Paper 2).

India

# Technologies Used .

- Current Experience: Java, Hive, MySql, Redis, Selenium, Linux, OSX
- Past Experience: C++, C, Python, Bash, Javascript, HTML, CSS, Chapel