REVOORI SAI REVANTH

Email: revanth001reva@gmail.com
Phone : +91-7042124333

DOB: 30th Mar , 1992

EDUCATION

Indian Institute of Technology(IIT) Kharagpur,India (CGPA: 6.83)   (2009-2013)
Bachelor of Technology (Honors) in Computer Science and Engineering

- Achieved an ALL INDIA RANK of 509 in the IITJEE(2009) with a percentile of 99.87.
- Offered Software Engineer with EPIC Systems (U.S) on the 2nd day of campus placements.

PROGRAMMING SKILLS

- **DEVELOPEMENT AND APPLICATION LANGUAGES:** C,Java, Python,JavaScript,AngularJS
- **DBMS :** MySQL, ElephantDB,MongoDB

WORK EXPERIENCE

DATA SCIENTIST,DIGITIAL QUOTIENT,HT MEDIA, GURGAON   (MAY'14-PRESENT)

- Part of the Engineering team,that developed mobile analytics compared to Google Analytics, Flurry are the first analytics to develop uninstall source for an app uninstall in addition to implementing the install source pattern developed by Hasoffers (currently Tune).
- Worked on full scale Lamda architecture by Nathan Marz for bigdata processing and developed a stable robust backend.
- Leveraged the benefits of Apache Thrift and Apache Kafka for data serialization and processing.
- Worked and resolved issues in backend server written in nodejs with routing configured via nginx for scalability.
- Used Cascalog tool for writing Hadoop MapReduce jobs which generate the views served for front-end dashboard.Deployed various functionalities in front-end using Ajax, jsp and javascript.
- Solved major issues such as HugeSmall file problem, Data Storage issues,
- Current work includes developing a real time analytics, dashboard using Angular JS, deep insight queries.

INTERNSHIP

ENGINEER INTERN, SAMSUNG INDIA SOFTWARE OPERATIONS   (MAY 2012 – JUNE 2012)

- Ameliorated an opensource hand writing recognition software,Cellwriter for multi-unicode character recognition,worked in various GUI elements of the software and documented integration in internal software.
- Designed several algorithms for automatic training sample extraction,recognition.
- Got appreciation from the manager and senior manager who is responsible for four teams.
- **PRE PLACEMENT OFFER** has been offered for the work.

ACADEMIC PROJECTS

DYNAMIC CUBE ATTACK ON GRAIN (B.TECH PROJECT)   (FEB'12 – MAY'13)

- Developed a framework for the attack on Grain-128 cipher which is active in ECRYPT Stream Cipher Project.
- Implemented attack based on a paper by Itai Dinur and Adi Shamir, retrieved the key variables for definite number of iterations. Presented a detailed analysis on the attack versus the computation power of the system.

DESIGN AND IMPLEMENTATION OF A COMPILER FOR A TOY LANGUAGE:

- Took a context free grammar of a toy language and developed lexical analyzer, parser and finally a compiler for that language. The implementation is done in C, Flex and Bison.

DESIGN AND IMPLEMENTATION OF CUSTOM FILE SYSTEM AND INTEGRATION WITH FUSE

- Designed a custom filesystem with tree structuring of directories and files and i-node creation for all the files and integrated with FUSE which is a loadable kernel module for Unix-like computer operating systems that lets non-privileged users create their own file systems without editing kernel code.

SCHOLASTIC ACHIEVEMENTS

- Awarded MCM scholarship from Govt. Of India for academic performance during the years (2009-2013).
- Awarded Prathiba Award for academic excellence in academics in the year 2007.
- Awarded gold medals for science and mathematics topper in year 2007.
- Awarded the "Certificate of Merit" in the Indian National Mathematics Olympiad (INMO-2007).
- Awarded gold medal for winning a Quiz in inter school competition in the year 2006.

EXTRA CURRICULAR ACTIVITIES

- Member of Hall Choreography in Inter hall Social and Cultural General Championships 2009-10, 2010-11 that won bronze in 2009-10. Member of the Inter Hall Event Illumination, which won **gold** in 2010.
- Served as volunteer of National Service Scheme (NSS), 2009-11, IIT Kharagpur (Served as Group Deputy leader during 2010-11).