

REVOORI SAI REVANTH

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EDUCATION

Compute Science and Engineering	B.Tech
Indian Institute of Technology Kharagpur	6.83
Board of Intermedia Education	92.9
Board of Secondary Education	93.7

PROGRAMMING SKILLS

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

WORK EXPERIENCE

DATA SCIENTIST, DIGITAL QUOTIENT, HT MEDIA, GURGAON (MAY'14-DEC' 14)

- Part of the Initial Engineering team of three 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 and data storage issues.
- Current work includes developing a real time analytics, dashboard using Angular JS and deep insight queries.

FULLSTACK DEVELOPER, GRIDANTS, BANGALORE (DEC'14-FEB' 15)

- Developed iOS application integration frameworks such as file observer, network discovery.
- Developed Mac Desktop client of the product based on the product developed in linux and windows.
- Worked on various brain storming sessions in product development.

INTERSHIP

ENGINEERING 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.
- Received commendation from a manager and a senior manager overseeing four teams.
- Was offered **pre-placement offer** from the company for the work in internship.

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

- All India Rank 509 in IIT Joint Entrance Examination (2009) among 400000 students.
- Awarded MCM scholarship from Govt. Of India for academic performance during the years (2009-2013).
- Received Prathiba Award for academic excellence in academics in the year 2007.
- Awarded gold medals for science and mathematics topper in year 2007.
- Received gold medal for various quiz competitions at inter school level in the year 2006.