**NARASIMMAN SAIRAM**

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**EDUCATION**

**Master of Science, Computer Science**  *Sept 2016*

**New York University, Courant Institute of Mathematical Sciences, New York** *GPA: 3.5/4.0*

*Relevant Coursework:* Distributed Systems, Artificial Intelligence, Natural language Processing and Big Data Analytics.

**Bachelor of Technology, Information Technology** *May 2010*

**Madras Institute of Technology, Anna University, Chennai** *GPA: 8.2/10*

**PROFESSIONAL EXPERIENCE**

**Full Stack Software Engineer Intern, SureDone Inc. – New York, NY** *June 2016 – Aug 2016*

***Technology Stack:* Node Js | Php | Micro services | AWS | Jenkins**

* Designed and developed a new scalable system for Market Place Automation Engine using Node JS.
* Automated and streamlined the deployment process using Jenkins Continuous Integration Tool.

**Software Development Engineer, Pegasystems Inc. – India & Cambridge, MA** *March 2013 – Dec 2014*

***Technologies:* Java | HTML5 | CSS | JavaScript | Handlebar JS | JQuery | RWD | REST Web Services**

* Designed and implemented web application that supports architecture in offline mode with teams in Boston, MA.
* Developed Responsive Web Applications for Android Mobile and Tablets working with globally distributed teams.

**Senior Developer, United Online Inc. – India & San Francisco, CA**  *July 2010 – Feb 2013*

***Application Technologies:* Java | Struts | MySQL | Hibernate | JSP | JavaScript | JUnit | Agile Development | Linux**

* Developed Java based components for e-commerce ad-server and mass mailer that sends out deals to 9M members.
* Managed and mentored a team of 4 junior developers and excelled in completing project milestones.

**ACADEMIC PROJECTS**

**Distributed Systems - Key Value Service**  *Fall 2015*

***Concepts and Technologies:* RPC | PAXOS | Linearizability | Consistency Models | Distributed Transactions | GO**

* Implemented a sequentially consistent, high performance distributed system tolerating crashes, disk failures and network partitioning; built architecture patterned on systems like BigTable and Spanner.

**Big Data - Exploratory Correlation Analysis on NYC Public data**  *Fall 2015*

***Big Data Technologies:* Java | Hadoop | MapReduce | Python | Apache Hive | Spark**

* Exploratory correlation and analysis between NYC Taxi ridership and public events. Dataset size : ~45GB

**Mobile and Web Application – Surprise Planner** *Spring 2016*

***UI Technologies:* MongoDB | Python | JQuery mobile | PhoneGap | Yelp and Uber API**

* Leading a team of five members to design an app for an adventure based on intelligent scheduling of public events.

**Information Retrieval System – Search Overflow**  *Spring 2016*

***IR Technologies:*** **Java | Apache Lucene | Crawling and Ranking**

* A question answering system that responds with the best solution for any coding queries.

**Natural Language Processing – Automated Text classification** *Spring 2016*

***Natural Language Toolkits:* NLTK | Python | LDA**

* Topic modeling of Reuters Corpus using techniques like tf-idf, bag of words and LDA.

**RESEARCH AND ACADEMIC WORK EXPERIENCE**

* *Graduate Research Assistant* in a team of 20 researchers on a global Urban Expansion program sponsored by United Nations; computerized multi-lingual surveys, built website, maintained entire stack of the application.
* Published a research paper ‘*A Cryptographic approach to defend against IP spoofing’* at Springer Library in 2010.