

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.