NARASIMMAN SAIRAM

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EDUCATION

Master of Science in Computer Science Expected August 2016

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

*Relevant Coursework:* Distributed Systems, Artificial Intelligence, Real-time and Big Data Analytics, Programming Languages, Production Quality Software, Fundamental Algorithms, Operating Systems and Financial Computing.

Bachelor of Technology in Information TechnologyMay 2010

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

ACADEMIC PROJECTS

* Sequentially consistent, fault tolerant key value service - Implemented a high performance **distributed key value service** using **PAXOS** and Shard storage techniques in *GO* Programminglanguage. The service is highly available and tolerates system crashes, disk failures and network partitioning (Fall 2015)
* Big Data analytics project - ‘Most happening place in a city’ using **Hadoop, Apache Hive, Spark and other map reduce technologies**, to perform an exploratory analysis of events and NYC taxi dataset of size 50GB (Fall 2015)
* ‘Connect Four’ game – Production standard code in Java using different software design patterns (Summer 2015)
* Implemented components of Operating System using Discrete Event simulation model (Spring 2015)

PROFESSIONAL EXPERIENCE (4 YEARS AND 6 MONTHS)

**Student Research Assistant** May 2015 - Present

NYU Stern Urbanization project (Sponsored by UNITED NATIONS) - New York University

**PHP | Web development | AJAX | CodeIgniter framework |**

* As the only Technology Developer in the team working on a global program of research conducted at 200 cities, preparing for *HABITAT III – the United Nations conference*, I’m build and maintain surveys and websites.

**Software Development Engineer** Mar 2013 – Dec 2014

Pegasystems Inc., Bangalore, India

**Java | JavaScript | HTML | CSS | Handlebar JS | Jquery | REST web services | Agile Development | Scrum |**

* As a member of UI Engineering team, we designed and implemented a new web application that supports PRPC application architecture and infrastructure in offline mode using latest UI technologies.
* Developed web applications for Android Mobile and Tablets working with globally distributed teams.

**Software Development Engineer** July 2010 – Feb 2013

United Online Software Development (India) Pvt. Ltd., Hyderabad, India

**Java | JSP | Struts | Hibernate | JavaScript | MySQL | JUnit Testing | Agile Development | Linux |**

* As a primary developer of Mypoints.com, I developed Java based components for e-commerce ad server and mass mailer that manages ads and sends out deals to the members.
* Member of the core web development team revamping Mypoints.com website to improve user experience by redesigning user interfaces and adding social sharing APIs.

ADDITIONAL DETAILS

* Tutor and Grader (Teaching Assistantship) for several courses like web development and programming for undergraduates and Graduate Discrete Mathematics at NYU.
* Published a research paper titled ‘A Cryptographic approach to defend against IP Spoofing’ in the prestigious SPRINGER international Proceedings. (MIT, Anna University)