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 Technology
May 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* Programming language. 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)