

Alagappan Ramu

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Education

University at Buffalo, The State University of New York

Expected February 2015

Master of Science in Computer and Information Sciences

Related Course Work: Fundamentals of Programming Languages, Information Retrieval,
Introduction to Machine Learning, Software Engineering Concepts

National Institute of Technology, Tiruchirappalli, India

May 2010

Bachelor of Technology in Instrumentation and Control Engineering

Professional Work Experience

Senior Software Engineer

Global Analytics Pvt Ltd. - Chennai, India | San Diego, CA

April 2012 to July 2013

- Implemented and maintained the software behind the entire customer flows and experience.
- Led a team of 4 software engineers overseeing their daily tasks and mentoring them
- Led the design and development of the Zebit API
- Taught basics of Python and Shell Scripting to new graduates and interns.
- Involved in recruitment and hiring new graduates.

Software Engineer

Global Analytics Pvt Ltd. - Chennai, India

August 2010 to March 2012

- Created elegant websites and impressive user interfaces for innovative credit products that include [Lending Stream](#) and [Zebit](#) using Python and Django.
- Implemented and deployed technology that harnesses the power of advanced analytics.
- Implemented and managed marketing campaigns, multivariate tests and cross-sell campaigns.
- Participated in the design and architecture process for developing high transaction rate web services and applications.

Academic Projects

- **Prediction of Page Relevancy** – Generated a model to train, validate and predict page relevancy by using linear regression on Microsoft LETOR 4.0 dataset using MATLAB.
- **Wikipedia Indexer** – Built a parser for Wikipedia markup. Built a tokenizer and indexer for a sizable Wikipedia corpus creating multiple indexes on page data and the metadata. Built an Index Writer and Index Reader for index introspection and querying. Implemented using Java.
- **Query Processing and Evaluation** – Evaluate different IR Models and analyze the results. Design and implement a query-processing module to improve retrieval performance. Done using Lucene and TREC dataset.

Skills	Specialty	Exposure & Familiarity
Languages	Python, Java, MATLAB, MySQL, Bash Shell	Ruby, R, C, C++, PHP, Scala, StandardML
Frameworks	Django, web.py	Ruby on Rails, Drupal
Libraries	jQuery, jQuery UI, Twitter Bootstrap, AJAX	Lucene, Solr, YUI
Other	SVN, Git, HTML, CSS, XML, JSON, Apache HTTP Server, Google Analytics	Mercurial, MongoDB, Firebug/debugging tools, Adobe Photoshop, Clicktale Web Analytics, Live Chat