

OBJECTIVE To build useful and interesting applications using my 11 years of experience in information extraction and retrieval, unstructured data processing and natural language processing

EXPERTISE

- Focused crawlers for a variety of applications and domains
- Information pipelines employing smart algorithms and heuristics
- Perl, Python, Java, R and Mechanize, BeautifulSoup, Mojo, Scrapy, Nutch, Solr, Weka
- New product conception and rapid prototyping involving multiple domains, teams and languages

SELECTED PUBLICATIONS

- Lakshmanan, B. (2015). *Area expansion for local queries using Voronoi adjacency*. To be published.
- Lakshmanan, B. (2015). *Measuring p, h occurrence in word-initial position in Kannada*. To be published.
- Lakshmanan, B., & Sridharan, I. (2011). *A context-free grammar for metre in Tamil prosody and a parser to analyse metrical text*. Winter international conference on linguistics, Seoul, South Korea.
- Makawana, D., & Lakshmanan, B. (2010). *ad amicus: Analysis of click behaviour in social relationships extracted from URLs*. 2010 IEEE International Workshop on: Business Applications of Social Network Analysis (BASNA).
- Lakshmanan, B., & Sridharan, I. (2009). *Context-free grammar for ezutthadhikaaram of tolkaappiyam (in Tamil)*. Tamil Internet, Institute of Indology and Tamil Studies, University of Cologne, Germany.
- Lakshmanan, B. (2009). *Tamil Wikipedia: A case study*. Wikimania 2009, Buenos Aires, Argentina.
- Srinivasa, S., & Lakshmanan, B. (2005). *A filtration based technique for mining maximal common subgraphs*. Open Systems Lab, IIIT-B, Bangalore, India.

* Lakshmanan, B., Sridharan, I., & Ravindranath, S. K. (2003). *Context free grammar for natural language constructs - an implementation for venpa class of Tamil poetry*. Tamil internet 2003, Chennai, India.

EXPERIENCE **YAHOO!**

Dec'03-Nov'06

- Information extraction platform for Hotjobs, Yahoo! Travel, Yahoo! Shopping, and personal info from Messenger and Email
- Data analysis: sourced and conducted analysis on billions of records working in tandem with Analysts in the Sunnyvale team. Came up with a novel graph-based approach to identify product navigational affinity, codenamed Eagle Eye.
- Conceived and built multi-lingual products including Indichat, used by millions of users. Built transliteration solutions for Hangul, Vietnamese, Hebrew, Arabic, Hindi, Tamil, Kannada and Malayalam.

ZIVA SOFTWARE

Apr'07-Jan'10

- Owned the automated pipeline for crawling, extraction, curation, and annotation of semi-structured web information for our mobile search engine [zook.in](#)
- Invented a method to do query-time extraction and an algorithm for area expansion using Voronoi tessellations.
- Handled partner integration for [Wikia.com](#), [Hummaa.com](#)

INMOBI

Feb'10-May'11

- Led the dev team to build a system to
 - gather contextual information from publisher pages, advertiser information and user information and
 - generate CTR estimates for these feature sets that were used for serving ads.
- Built the first version using Hadoop Pig and rewrote it with native Map Reduce jobs.

IDEOPHONE

May'11 – Mar'14

- As co-founder and CEO, built a tiger team, owned strategy, product management, business development for location and journey-aware apps.
- Piloted a passenger wakeup call [service](#).
- Launched [triphirsty.com](#) and built its content bootstrapping pipeline from Freebase data using Google Refine.

ZETTATA

Apr'14 – Nov'14

- Built a data ingestion pipeline handling millions of records of multiple data formats, transformed, augmented and indexed in Solr.
- Worked on improving search quality by better feature extraction.

EDUCATION

INTERNATIONAL INSTITUTE OF INFORMATION TECHNOLOGY-BANGALORE-PGDIT

3.47/4.0, Gold Medalist, TA for Data Structures and Algorithms, RA at Open Systems Lab working on a Graph Database for chemical structures and protein molecular structures.

MADURAI KAMARAJ UNIVERSITY-BACHELOR OF ENGINEERING (CS)

73.2%, Best Student Awardee, Student Chairman-Computer Society of India Chapter

CERTIFICATIONS

R PROGRAMMING

September 2014, John Hopkins University ([Coursera](#) Signature Track)

GETTING AND CLEANING DATA

September 2014, John Hopkins University ([Coursera](#) Signature Track)

THE DATA SCIENTIST'S TOOLBOX

August 2014, John Hopkins University ([Coursera](#) Signature Track)

INTRODUCTION TO SOCIOLOGY

July 2012, Princeton University (via Coursera)

TECHNOLOGY COMMERCIALIZATION AND ENTREPRENEURSHIP

March 2012, The University of Texas at Austin

BUSINESS ENGLISH CERTIFICATE (VANTAGE)

January 2003, University of Cambridge

HONOURS AND AWARDS	<ul style="list-style-type: none">• Citation from Yahoo! CEO for "contributions beyond the call of duty" relating to a) rapid development of a crawler for Yahoo! Subscriptions Search and b) facilitation of a partnership with and a donation for the Wikimedia Foundation, its biggest then• Gold Medal for "Contributions to Professional Activities" by IIIT-B• "Young IT Professional Award – 2003" from the Computer Society of India for my meta search engine, <i>TheDal</i>• "Honourable Mention Award" at the innovators contest called Eureka conducted by the Indian Institute of Science• "Entrepreneur of the Year 2012" award from IIIT-B
VOLUNTEER WORK	<ul style="list-style-type: none">• Editing English and Tamil Wikipedias since 2004• Automation of certain editorial and data migration tasks in Wikipedia and Wiktionary using a bot• Localisation for Tamil Wikipedia and liaison with Wikipedians across multiple language wikis, was Founder Secretary for Wikimedia India Chapter.• Admin in English Wikipedia and Bureaucrat in Tamil Wikipedia• Answers on Quora: http://www.quora.com/Sundar-Lakshmanan/answers• Writing about rail sector in NextBigWhat and SmartRail World• Engaging in various wildlife conservation activities
LANGUAGES KNOWN	Tamil, English, Hindi, Kannada and Malayalam to various degrees
REFERENCES	<p>SRINATH SRINIVASA Associate Professor, IIIT-B sri@iiitb.ac.in</p> <p>SUSHEEL JAVADI Software Engineer, Intuit Javadi82@gmail.com</p> <p>VIJAY RAMACHANDRAN Senior Software Engineer, LinkedIn vijay_us@yahoo.com</p> <p>SRINIVASAN SESHADRI CEO, Zettata sseshadri@gmail.com</p>