

# Prashant Anantharaman

## Curriculum Vitae

### Education

2015–Present **Masters of Science in Computer Science**, *Dartmouth College*, Hanover, NH, USA.

2011–2015 **Bachelor of Engineering in Computer Science and Engineering**, *College of Engineering*, *Guindy*, Chennai, TN, India, *GPA – 8.19*.

#### Bachelors Thesis

Title Code Compaction in LLVM IR

Supervisor Dr. Arul Siromoney

Description In this thesis, we discuss how code compaction can be performed on LLVM's Intermediate Representation. Download report.

#### Experience

2015 - Research, TRUST/PKI LAB, Dartmouth College, Hanover, NH.

Current Working on addressing Crypto Scalability Issues in Smart Grids. Guide: Dr. Sean. W. Smith.

2015 **Research**, CLOUD COMPUTING LAB, Dept. of Information Technology, Anna University, Chennai, India.

Proactive Resource Provisioning Model for Cloud Federation. We developed a simulation environment for cloud federation in ruby to investigate the impact of workload prediction based resource provisioning in cloud federation. Download report. Guide: Dr. Saswati Mukherjee

2014 Student Trainee, Samsung R&D Institute, Bangalore, India. Worked on Graph Database based systems using Apache Giraph and Neo4J.

2013 Intern, DANGOTE GROUP, Lagos, Nigeria. Worked on a Weigh Bridge integration project.

# Projects

File Sharing Developed a "Social Network for sharing of Files and Videos". The Portal source code to which can be found on https://github.com/ProjectAlex/laughing-adventure. Software(s) used: Ruby on Rails, mysql

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Khelo, A Developed an interpreter based language as a "Design of Compilers" project. Softsports ware(s) used - Ruby(Lex and Yacc) programming language Tamil OCR This project was funded by "Centre for Technology Development and Transfer, Anna and Error University". Error corrections were made on an OCRed document. We achieved an Correction accuracy of almost 90%. Software(s) used: Java, Ruby on Rails, Tesseract OCR Computer skills Programming RUBY, PYTHON, R, C++, C, BASH, JAVA, C, HTML, CSS, JAVASCRIPT Languages Frameworks Ruby on Rails, LLVM, Apache Giraph Tools GIT, VIM text editor, LATEX, OpenOffice Databases MYSQL,POSTGRESQL,ORACLE Operating GNU/LINUX(ARCHLINUX, UBUNTU, FEDORA), Windows (various) Systems GitHub https://github.com/prashantbarca Account Codecademy http://www.codecademy.com/users/javasolver06191 Account Other Experiences 2012–2015 Free Software Foundation Tamil Nadu: Activist and active member of the foundation, conducted several sessions and workshops. 2014-2015 Student Director at CEG Tech Forum: Served as Student Director of CEGs Tech Forum the student run body that organizes Kurukshetra, An International Techno-Management Fest under the patronage of UNESCO 2011-2013 Junior Correspondent at The Guindy Times: Worked for the Campus Magazine Languages Tamil Mothertongue English Advanced Hindi Advanced Marathi **Basic** Basic words and phrases only Interests

- Football - Table Tennis

- Cooking - Singing

- Running