

SUDHARSANAN MURALIDHARAN

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Portfolio: <http://sudharti.github.io>

TECHNICAL SKILLS

- **Programming:** Java, C++, Ruby, Node.js
- **Frameworks:** Ruby on Rails, Spring MVC, Express, Ember.js
- **Web Technologies:** HTML5, CSS, Sass, JavaScript, JQuery, Bootstrap 3, Ajax, REST
- **Technologies:** Android, Git, GitHub, Maven, Gradle, Solr, Hibernate, Memcached, Grunt
- **Testing Tools:** JUnit, RSpec, Capybara
- **Database:** MySQL, PostgreSQL, Mongo, Redis
- **Deployment Tools:** Amazon AWS, EC2, Nginx, Jenkins, Capistrano

EDUCATION

Master of Science in Computer Science

The University of Texas at Dallas, Richardson, Texas

Expected August 2016

GPA: 3.26

Bachelor of Technology in Computer Science

SASTRA University, India

June 2013

GPA: 8.3/10

WORK EXPERIENCE

Software Developer Intern - Copart.Inc, Dallas

June 2015 – April 2016

- Reverse engineered an existing web service using Java and *Spring Boot*. Improved the performance of the service by 30% and supports multiple clients.
- Designed an ETL system which extracts data from a *MySQL* database, transforms it and loads it into document databases like *Couchbase* and *Solr*.
- Developed a RESTful API for search which retrieves results from Solr, a high performance indexing system based on Apache Lucene.
- Converted native SQL queries to HQL for various Micro services, making it optimized for multiple databases.

Android Developer - Tata Consultancy Services

August 2013 – May 2014

- Developed a News reader *Android* application for United Airlines. Reduced memory and data consumption by 40% through efficient caching.

Software Engineer Intern – Tata Consultancy Services

January 2013 – March 2013

- Built an e-commerce application using *HTML5*, *CSS3* & *PhoneGap* that scales to multiple platforms. Received positive feedback from other teams.

ACADEMIC & INDIVIDUAL PROJECTS

- **Socify:** Open source social networking platform built with *Rails*, *PostgreSQL*, *JQuery* and *Bootstrap*. Used Memcached and Redis to improve response times. Integrated with Elastic search to optimize search results.
- **Comet Cabs:** Taxi on demand web application built on *Rails*, *Redis* & *Node.js*. Implemented a load balancing mechanism using NGINX and Unicorn web servers, improving the performance and reliability by 50%.
- **Startup Search:** Search Engine for startups built using *Apache Lucence*, *Java 8* and *Spring Boot*. As a key member of the team handled Query expansion module and Web services integration.
- **Smart Kiosk:** Internet of Things application which redefines consumer shopping experience using the iBeacon technology. The tech stack involves *Rails*, *Node.js*, *Google cloud messaging* and *Android*. Chosen as one of top 5 hacks at Hack Illinois, 2015.
- **Airbnb Booking Prediction:** Predicting user's first booking destination based on Airbnb dataset using various Machine Learning techniques. Used *Spark MLlib* to train multiple classifiers and achieved 80% accuracy in predicting the labels.

HONORS & AWARDS

- **Runner-up, Mobile Development Contest:** Runner-up in Mobeel, a National level app development contest conducted by Tata. Built a Fitness tracker Android application which was voted the best consumer-facing app.