

SUDHARSANAN MURALIDHARAN

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

TECHNICAL SKILLS

- **Programming:** Java, C++, Ruby
- **Frameworks:** Ruby on Rails, Spring MVC, J2EE, Ember.js
- **Web Technologies:** HTML5, CSS, Sass, Javascript, JQuery, Ajax, REST
- **Technologies:** Android Development, Git, GitHub, Maven, Gradle, Solr, Hibernate, Sidekiq
- **Testing Tools:** RSpec, Capybara, FactoryGirl, JUnit
- **Database:** MySQL, PostgreSQL, Mongo, Redis
- **Development Tools:** Eclipse, Spring Tool Suite, Android Studio
- **Deployment Tools:** Amazon AWS, Nginx, Jenkins, Capistrano

EDUCATIONAL QUALIFICATION

Master of Science in Computer Science

The University of Texas at Dallas, Richardson, Texas

Expected August 2016

GPA: 3.29

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 – March 2016

- Developed multiple versions of Assignment creation API using Spring Boot. It is used to create a new vehicle at Copart and consumed by multiple clients.
- Created a Spring Integration project to synchronize data from a relational database system to document database like Couchbase and Solr.
- Developed an API for search using Spring Boot, which validates and retrieves indexed results from Solr.
- Converted native SQL queries to HQL thereby providing an Object oriented approach for fetching lot details from the database using Hibernate.

Android Developer - Tata Consultancy Services

August 2013 – May 2014

- As a Lead developer in mobile division, created a News reader Android application for United Airlines which consumes their Internal news API.

Software Engineer Intern - Tata Consultancy Services

January 2013 – March 2013

- Built an e-commerce Hybrid mobile application using Phonegap. Technologies used are HTML5, CSS3, JQuery, JQuery Mobile and it consumes an API written using Java EE.

ACADEMIC & INDIVIDUAL PROJECTS

- **Social networking platform:** Developed an open source social networking platform along with a blog post to explain the workflow. The tech stack includes *Rails*, *PostgreSQL*, *JQuery* and *Bootstrap*.
- **Comet Cabs:** Built a taxi-on-demand web application using *Rails 4* as part of Web programming coursework. In order to enable real-time updates, it uses a *Redis* queue which is polled by a Node.js application.
- **Smart Kiosk (IoT):** Built an application prototype which would redefine shopping experience for consumers, using next generation beacon technology. The tech stack involves *Rails*, *Node.js*, *Google cloud messaging* and *Android* and chosen as one of top 5 hacks at Hack Illinois, Chicago, 2015.
- **Todo0:** Developed & deployed a real-time To-do list application using *Ember.js*, *EmberFire* & using *Firebase* data store.
- **Twitter clone:** Implemented a Micro blogging web application like Twitter using *Ruby on Rails*, *Bootstrap* and *Sass* and deployed to *Heroku*.
- **Detecting Human activity from video scripts:** Developed a project which detects human activity from real-time video scripts using OpenCV, Python and WEKA.

ACHIEVEMENTS

- **Runner up, Mobile development:** Built & presented a Fitness tracker Android app which secured 2nd position in national level mobile app development competition conducted by Tata Consultancy Services.