

# Sarath Kumar Prabhakaran

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**GitHub:** <https://github.com/saddy1923>

## SUMMARY:

To pursue a challenging internship/co-op in a productive, goal oriented organization where my prior experience, interpersonal skills and commitment to professionalism would be put into much use besides allowing me to enhance my knowledge and complement my determination and dedication with success.

## EDUCATION:

**Illinois Institute of Technology, Chicago**  
**College of Engineering Guindy, Chennai**

**M.S in Computer Science (GPA: 3.66/4)**  
**M.Sc. in Computer Science (GPA: 7.76/10)**

**August 2015 - May 2017**  
**August 2010 - May 2015**

*Core Courses:* Design and Analysis of Algorithm, Data Structures, Object Oriented Analysis & Design, Web Applications, Advanced Database Organization, Theory of Computation, Computer Networks and Software Modeling with UML.

**AREAS OF INTEREST:** Software Development, Web & Mobile Applications Development, Quality Assurance.

## TECHNICAL SKILLS:

- Programming - C, C++, Java, Python, VB.Net, C#.
- Web Technologies - HTML5, CSS3, PHP, JavaScript, JQuery.
- Operating Systems - Windows, Ubuntu.
- Databases - Oracle 10g, MySQL, MongoDB.
- Tools - MS Office, Eclipse, Visual Studio, MS-office, HP-QTP, Open Script, IntelliJ IDEA, Android Studio, MS Visio.

## INTERNSHIP EXPERIENCE:

**Oracle India Private Ltd, Bangalore, India**

- **Position:** QA Automation Intern - EIT. (December 2014 - April 2015)
- **Position:** QA Automation Intern - Retail POS. (June 2013 – November 2013)
- Automation Script Developer for the Unified Automation Program, Worked in Automation Framework development for the EIT Team, Designed and developed test plans, Created and maintained automated test cases for Oracle Retail Products, Finding and Reporting Application Development Bugs.
- **Technology:** Java, VB.Net.
- **Tools:** QTP, HPQC, Mokey Framework, Open Script, Synergy, Selenium, OATS, Oracle SQL Developer.

## ACADEMIC PROJECTS:

- **Blogging Website** using Maven, Spark, Mongo DB and Freemarker, **Game Speed Web Application** using HTML, CSS, Servlets, JSP and MongoDB, **Restaurant reservation Web Application** using Servlets, JSP and Mongo DB, **Friend finder Web Application** using Servlets, JSP, JavaScript, JQuery and MongoDB, **Online Theatre Management System** using Java & Oracle DB, Online placement Web Application using JSP, Servlet, HTML and MySQL, **Dijkstra's Algorithm**, **Database Joins** using Java.
- **Electronic Dictionary** using C++ that retrieves words stored using a **trie** data structure more efficiently.
- **Storage manager** that allows read/writing of blocks to/from a file on disk, **Buffer manager** that manages a buffer of blocks in memory including reading/flushing to disk and block replacement, **Record manager** that allows navigation through records, and inserting and deleting records, **Two pass assembler** for **SIC/XE** machine using C.
- Software Modeling for Sports Board Management System, Pizza Shop using Unified Modeling Language.
- Data transfer issue from the sensor nodes in WSN was solved by the simulation of **E-Leach protocol** using MATLAB.
- Automated **Hospital management system** using VB.NET and Oracle DB.
- Independent study on **networking** Layers, Protocols, Addressing, Routing & Security.

## CERTIFICATIONS:

- M101J: MongoDB for Java Developers.
- Web Component Development using Java Technologies.
- Complete Python Bootcamp.
- Oracle 10g: Introduction to SQL.
- Honors Diploma in Computer Application (HDCA).
- Introduction to MySQL Database.
- JavaScript & JQuery from Scratch.