

Sarath Kumar Prabhakaran

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

EDUCATION:

Illinois Institute of Technology, Chicago

M.S in Computer Science (GPA: 3.7/4)

(August 2015 - May 2017)

College of Engineering Guindy, Chennai

M.Sc. in Computer Science (GPA: 7.76/10)

(August 2010 - May 2015)

Core Courses: Design and Analysis of Algorithm, Data Structures, Enterprise Web Applications, Advanced Database Organization, Theory of Computation, Computer Networks, Software Modeling with UML, Data Warehousing and Mining.

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 - Eclipse, Visual Studio, MS-office, HP-QTP, Open Script, IntelliJ IDEA, Android Studio, MS Visio.
- **AREAS OF INTEREST:** Software Development, Web & Mobile Applications Development, Quality Assurance.

PROFESSIONAL EXPERIENCE:

Illinois Institute of Technology, Chicago, Illinois

- Position: **Graduate Teaching Assistant** Course : **Enterprise Web Applications** (August 2016 – Present)
- Assisted students to learn technologies such as Core java, JSP, Servlets, AJAX, Sessions/Cookies, JDBC, RMI, and Multi-threading for the development of enterprise web applications, graded assignments and organized projects for students.

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, Modular key driven Framework, Open Script, Synergy, Selenium, OATS, Oracle SQL Developer.

ACADEMIC PROJECTS:

- **Android apps** in several domains: Gamified apps like **Brain Trainer**, **Guess the celebrity** and utility apps like **Apple Clock**, **Currency Converter**, **Bluetooth device finder** and more, **To-do List** using Meteor.js and MongoDB.
- **Online Social Network Analysis** of U.S. presidential candidates using the **Twitter API**.
- Personal Website live at <http://saddy1923.github.io/AboutMe/>
- **Blogging Website** using Maven, Spark, Mongo DB and Freemarker, **Game Speed Web Application**, **Restaurant reservation Web Application** using HTML, CSS, Servlets, JSP and MongoDB, **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.

CERTIFICATIONS:

- Complete Android Developer. (September 2016)
- Scrum Master. (June 2016)
- M101J: MongoDB for Java Developers. (February 2016)
- Complete Python Bootcamp. (January 2016)
- Introduction to MySQL Database. (December 2015)
- Web Component Development using Java Technologies. (October 2014)
- Oracle 10g: Introduction to SQL. (May 2013)