

Rambabu Govindaraj

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A Computer Science graduate seeking a full-time opportunity to exhibit potential technical expertise in the domain of web and software development.

Education

- **University of Texas, Arlington** GPA: **3.23/4.0**
○ *Masters in Computer Science , Specialization in Database & Networks* 2015–2017
- **Anna University, India** GPA: **8.0/10.0**
○ *Bachelor of Engineering, Specialization in Computer Science and Engineering* 2010–2014

Technical skills

- **Languages:** C++, Java, Python, Scala, HTML/CSS, JavaScript, PHP
- **Databases:** MySQL, Oracle, MongoDB, SQL Server
- **Web Technologies:** AJAX, Bootstrap, jQuery, Angular2, Node.js
- **Big Data Technologies:** Apache Hadoop, MapReduce, Spark, Pig, Hive
- **Other Tools:** Eclipse, Android Studio, Visual Studio, Git
- **Cloud Services:** AWS

Certification

- Oracle Certified Java Professional June 2012

Professional Experience

- **Infosys Ltd., India**
○ *Systems Engineer* July 2014 – July 2015
Gained the experience of writing optimized SQL queries (DML & DDL) in WinSQL that reduced the query processing by 35 %. Composed Java programs that pre-processed raw data that are loaded into data-warehouse, thus improving efficiency in the workflow.
- **Infosys Ltd., India**
○ *Software Developer Intern* Jan 2014 – May 2014
Worked on an Email Organizer project which enables the scheduling of e-mails for a future date and time and allows categorization based on the user requirements. Utilized expert knowledge on HTML, CSS, Javascript and AJAX to create a simple and efficient UI.

Academic Projects

- Developed a MapReduce program that predicts the number of high utilization periods of websites from a weblog.
- Implemented graph processing in both MapReduce and Spark.
- Implemented network anomaly detection using K-means algorithm in Apache Spark/Scala.
- Designed a prototype search engine that predicts a document that matches a given query string and predicts document clusters.
- Modeled a Network Flow using Ford-Fulkerson and Edmond-Karp algorithms that perform Resource allocation and Project Scheduling.
- Developed an Android application that schedules Graduate Advising sessions and locates the Advisors using signals from BLE beacons.
- Designed an Android application that keeps track of expenses and income of a user and sends budget alerts.
- Designed a movie search web application using JavaScript and leveraging TMDb API.
- Developed a web application that uses Yelp API to search for restaurants in the area selected in Google maps.
- Implemented a message board application and a photo album application in PHP.
- Developed a PHP application for online shopping leveraging e-bay commerce API.
- Implemented a Multithreaded Server interaction with single threaded Client using HTTP Protocol.