

Srihari Shastry

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Education

The University of Texas at Arlington, Arlington– *Master Of Science in Computer Science*

MAY 2020

Current GPA: 3.7

Visvesvaraya Technological University, India – *Bachelor of Engineering in Computer Science*

JUN 2015

Skills

- **Languages:** Java, Scala, SQL, Pig, Hive, C, C++, HTML, CSS, Javascript, PHP, XML, Android
- **Database Applications:** SQL, MySQL, NoSQL(MongoDB),Spark, Hadoop, Big-Data
- **IDEs Used:** Eclipse, IntelliJ
- **Application Servers:** Apache Tomcat, Xampp
- **Operating Systems:** Windows, Linux, Unix
- **Tools:** Junit, Selenium, PIT Mutation
- **Additional Knowledge:** Collections, JavaBeans, J2EE (Servlet, JSP, JDBC, JavaX Swings, Spring), REST

Projects

Map-Reduce Project – Java

- One step of Lloyd's algorithm for k-means clustering. Extensively used Apache's Map-Reduce Framework for JAVA. Successfully wrote efficient Map-Reduce jobs. Added in-mapper combiner which reduced the computation time by 15%.
- Transformed and cleansed the data by implementing multiple Map/Reduce Jobs based on Multi-Source BFS

Distributed Systems – Java

- Implemented Lamport's Logical clock. The server was hosted on LocalHost using ServerSockets.
- Worked on ArrayLists, HashMaps, HashSets, String functions, Java OO concepts such as Inheritance, Polymorphism, Function overloading, Object, Class, JavaX Swings, LocalHost APIs, Multi-Threading, String matching.
- Created SQL Tables through MySQL database Manager. Interacted with database tables using the MySQL connector jar.

Spark implementations – Scala, PIG-Latin, Hive,

- Accomplished K-Means Clustering using Multi-Source BFS in scala, PIG-Latin & HIVE. Extensively used scala transformations (flat-map, reduceByKey, joins, map), Pig storage, for-each loops, ordering, storing to read, process, sort the input data and to store the processed data on to the disk.
- Created HIVE schemas to import data. Successfully wrote optimized HIVE-Queries to process the data.
- Implemented One step of Lloyd's Algorithm for K-means Clustering using scala and GraphX Pregel API which was an improvement over the Multi-Source BFS algorithm.

Experience

Ed-Touch(Startup), Mysore– *Android Developer*

DEC 2016 - JUL 2017

- Developed an android app for a startup called "Ed Touch". Implemented List View and Grid View which made a very intuitive UI.
- Extensively used REST API calls, Picasso, OKHttp requests, Fragments, ArrayAdapter, AsyncTask, Reading JSON Data.
- Took advantage of the Activity Lifecycle, lifecycle callbacks for improved consistency.

PEOL Technologies(Startup), Bangalore– *ABAP Consultant*

JUN 2015 - DEC 2016

- Developed various components such as BADI for IT0022, Custom Payroll Calculation, SmartForms & Adobe Forms for developing visualization reports such as salaries, etc which resulted in a whole new payroll process for a lot of many countries.
- Implemented ABAP-HR Report for Logical Database PCH, OOPS-ALV Report which reduced search time by 20%.
- Was Responsible for writing efficient code for implementing custom Tax-Slabs for different Countries.