Srihari Shastry

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Education

The University of Texas at Arlington, Arlington– *Master Of Science in Computer Science*   AUG 2018 - JUL 2020
- Current GPA: 3.7
- Worked on Java, Scala, Big-Data Hadoop, Map-Reduce Architecture, HTML, CSS, PHP, JavaScript, Junit, PIT, Selenium

Visvesvaraya Technological University, India – *Bachelor of Engineering in Computer Science*   AUG 2011 - JUN 2015

Skills

- Relational Databases (MySQL, Oracle), NoSQL (MongoDB), Big data (Hadoop, Spark, Pig, and Hive).
- Object-Oriented Programming (Java, Collections, JavaBeans, Scala, Pig, Hive), J2EE (Servlet, JSP, JDBC, JavaX Swings, Spring).
- Web Services (REST), JavaScript, PHP, XML, HTML, CSS, Maven, Gradle, Git, Android.
- JUnit, Selenium, PIT Mutation Testing, Black Box Testing, Sequence Enumerations
- IDEs Used: IntelliJ, Eclipse

Projects

UTA, Coursework 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. I also accomplished Map-reduce with an in-mapper combiner which reduced the computation time by 15%.
- Wrote multiple jobs for Mapping and Reduce Steps to partition data based on Multi-Source BFS which improved quality of data
- Implemented Lamport's Logical clock. The server was hosted on LocalHost using ServerSockets. It was designed to be continuously listening to the client's requests.
- Worked on ArrayLists, HashMaps, HashSets, String functions, Java OO concepts such as Inheritance, Polymorphism, Function overloading, Object, Class, etc.
- Implemented virtual Server-Client interactions using Javax Swings, LocalHost APIs, Multi-Threading, String matching.
- Created SQL Tables through MySQL database Manager. Interacted with database tables using the MySQL connector jar. CRUD operations on several tables according to the requirement provided.

UTA, Coursework Project – Scala, PIG-Latin, Hive,

- Accomplished K-Means Clustering using Multi-Source BFS in scala. Extensively used scala transformations such as flat-map, reduceByKey, joins, map.
- K-Means Clustering using PIG-Latin and HIVE. Extensively used 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%.