

Shreya Ashtekar

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Data Analyst with 2.10 years of experience interpreting and analysing data in order to drive successful business solutions. Highly analytical and process-oriented data analyst with knowledge of database types; research methodologies; and big data capture, curate, manipulation and visualization. Furnish insights, analytics and business intelligence used to advance opportunity identification, process reengineering and corporate growth.

SKILLS

Apache Spark, Scala, Cassandra, Hive, GCP, YARN, Linux

WORK EXPERIENCE

Associate Software Engineer (07/2018-Present) **Figmd(India) Pvt Ltd.**

- Experience in Spark and Big Data at Development in the staging and production Environments.
- Building complex formulas and algorithms to measure the performance of a physician, mainly using scala and spark core along with building functions for optimization and efficiency of the underlying framework.
- Experience in data gathering, data pre-processing, manipulating and storing in a structured database system, which includes the Big Data framework.
- Strong experience in playing around with data as well as multiple file formats ie. parquet, text, csv, JSON etc. for efficient data consumption to leverage analytics and business.
- Confident and resourceful with a willingness to learn new concepts to yield successful results.
- Able to communicate confidently and effectively with multi functional teams, as well as the clients.
- Focused, hardworking, self-motivated and team oriented with capability to meet high pressure deadlines, with efficiency and finesse.

PROJECTS

JANUS(09/2019 – Present)

- The Centers for Medicare & Medicaid Services (CMS), is an agency within the United States. CMS administers the Medicare program and works in partnership with the government. FIGmd helps CMS to improve care quality, enhance incentive performance.
- Clinical data fetched from EHR using REST API. This data is stored in Cassandra data mart after ETL operation.
- Some customization needs to be carried out to populate correct data in respective columns hence custom functions are developed with the help of SparkSQL.
- I filter huge data by applying different algorithms shared by CMS. I have used RDD for the same purpose and algorithms implemented using scala.
- As part of unit testing, I have set up a dummy production environment, loaded dummy data in cassandra and executed code on the GCP dataproc cluster to ensure quality of code.

- Final summary result stored on cassandra table. This information is shared with clients on the dashboard. Using these business information clients can make decisions regarding healthcare. This information is also shared with the US government body(CMS) to reward providers with incentive pay for their performance.

ABFM-PRO (01/2019 – 08/2019)

- This project is achieved using Dataframe and Dataset in SPARK Spark-SQL.
- Before moving to big data, FIGMD was storing data on RDBMS. Intention of this project is to process data by applying algorithms. And migrate this data to the big data pipeline. Dataframes and data structures are used for manipulating data.
- Responsible for managing large volumes of discrete data along with the data pipeline for this project.
- The results are verified by querying RDBMS and HIVE.

FHIR(07/2018 – 12/2018)

- Fast Healthcare Interoperability Resources is a standard describing data formats and elements and an application programming interface for exchanging electronic health records.
- Intention of this project is to convert data to FHIR format.
- I have transformed data in a parquet file into json format. We have generated JSON for every clinical resource and stored these JSON in GS buckets so they can be accessible to other projects. We achieved this by using a freemarker template and spark for processing.

USED TOOLS

JIRA

Jira is used for managing work and tracking progress.

GITLab

GitLab allowed us to code together without disturbing any other functionality.

IntelliJ

IntelliJ IDE used for development.

Operating System

Linux(ubuntu 18.04)

EDUCATION

Bachelor of Computer Engineering

Shivaji University of Kolhapur

2015 – 2018

Diploma in Computer Engineering

MSBTE, Mumbai

2012 – 2015

ACHIEVEMENTS

Fig-STAR On the Spot (07/2019) - Figmd(India) Pvt. Ltd.

Silver Badges in Basic Python programming - HackerRank

Silver Badges in SQL - HackerRank

INTERESTS

Music, Singing, Gaming.