Nancy Arora

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Experience Highlights

Working as a Big Data Developer in **IBM India Pvt Ltd** from February 2014 to till date. 2 years of comprehensive experience in Big Data processing using Apache Hadoop. Having good experience of Big Data analytics in Banking and Finance domain.

Educational Qualifications

Year	Board/University	Degree/Certificate	CGPA/%
2013	MDU Rohtak	Bachelor of Technology(CSE)	73%
2009	CBSE	Class XII	80%
2007	CBSE	Class X	89%

Technical Skills

Hadoop Framework	MapReduce, HDFS, Pig, Hive
Hadoop Tools	SQOOP
Languages	JAVA, Python
Analytical Techniques	SVM classification/regression, Decision Tree and Boosting
Database	IBM DB2, Oracle
Reporting Tools	Qlikview, QMF for Workstation

Professional Summary

- Experience in working with **MapReduce** programs using Apache Hadoop for working with Big Data.

- Experience in importing and exporting data using **Sqoop** from **HDFS** to Relational Database Systems and vice-versa.

- Experience in analyzing data using **HiveQL**, Pig Latin, and custom **Map Reduce** programs in Java.

- Experience in designing, developing and implementing connectivity products that allow efficient exchange of data between our core database engine and the Hadoop ecosystem.

- Techno-functional responsibilities include interfacing with users, identifying functional and technical gaps, estimates, designing custom solutions, development, producing documentation, and production support.

- Good communication skills, interpersonal skills, self-motivated, quick learner, team player.

Professional Experience

Big Data Developer	**IBM India Pvt. Ltd**	**April 2014 – Till date**

Project Overview: In this Project analysis is done to predict whether a loan applicant will default on a loan or has the potential to be a profitable customer. Every bank wants to grant loans to as many applicants as possible, but not at the expense of loan defaults. Our customer bank uses a sophisticated predictive analysis solution to foster sound business decisions on the evaluation and approval of mortgage and loan applications, ensuring adequate capital reserves. Analyzing hundreds of key performance indicators such as income or revenue, cash flow and credit obligations from numerous data sources, the bank can paint a comprehensive picture of every applicant, whether retail or corporate.

Responsibilities:

- Design and Development of technical specifications using Hadoop technology.
- Handled importing and exporting data to HDFS and Hive using Sqoop.
- Involved in creating Hive tables, partitioning, bucketing of table, loading with data and writing hive queries, which will run internally in map, reduce way.
- Designed scalable data layout in Hive by choosing the right file formats (Sequencefile, ORC) and compression codecs (snappy,Lzo etc).
- Analyzed and transformed stored data by writing MapReduce or Pig jobs based on business requirements.
- Implementing the machine learning algorithm (Random Forest) to figure out whether the consumer would be a risk to the bank or not. If not accept the request.
- Worked on SCRUM mode, participated in sprint retrospectives and planning sessions.

Achievements and Appreciations

- **Top Contributor** award for Year 2015 from IBM
- **Deep Skill Award** for 3rd,4th Quarters,2015 from IBM
- Published a research paper on "An Overview of Data Mining" in **International Journal of Scientific and Engineering Research** (IJSER).
- Recognized two times by the **Manager's Choice Award- 2015** program, for the practice **Put the Client First.**

Stretch Assignments

- Automated daily monitoring of the reports received in lotus notes mailbox. Developed and deployed Lotus notes database and lotus agent which sends an automated mail to the team members regarding the status of the reports.
- Automated the process of Access Revalidation of MVS user ids, created a java program and basic web UI to get the list of user ids and owners and then using an excel macro send a mail to managers to validate the access required by the employees reporting to him/her.

Personal Details

Date of Birth	29-01-1992
Gender	Female
Father's Name	Kuldeep Arora
Passport	Available

Date: 20-JUN-2016
Place: Bangalore