

SUMMARY

- Technology enthusiast professional, having an overall experience of 6 years in the field of IT and 3+ years of experience in big data engineering and analytics. I have experience in working both at private sector and public sector organizations.
- Interested and enthusiastic about predictive data analytics using statistical tools and machine learning techniques.

PROFESSIONAL EXPERIENCE

September 2017-Present

Assistant Manager-IT • Indian Bank (erstwhile Allahabad Bank, A Govt. of India Undertaking)

Information Technology Innovation Center-Data Analytics

Key Responsibilities

- Development of batch data pipelines from upstream CBS system and legacy RDBMS sources (Oracle, SQL Server) to **Hadoop via Oozie workflows, Spark Ingestion jobs and Sqoop jobs** followed by transformations and application of business logic to generate useful business insights and then pushing to downstream **Data Marts** and/or warehousing the same.
- Developed a fraud detection model using **Apache Spark** on top of an existing solution for calculation of remuneration for Business Correspondents of the Bank.
- Exploratory data analysis using **Spark SQL** and Hive and predictive analysis using machine learning and statistical tools.
- Submission of reports to senior management and regulatory bodies (RBI, DFS, etc) using transactional, customer, account level data to aid in business decision-making and planning.
- Monitoring and maintenance of Hadoop nodes in the on-prem **Hadoop data center** based on Hortonworks HDP.
- Automating existing processes using **Python and Unix Shell** scripting.
- Development of web based apps and RESTful APIs using **Spring Boot**.
- Pursuing 1 year data-science program from **IIM-C** which is about to be completed by OCT-2020

September 2014-Aug 2017

Systems Engineer • Tata Consultancy Services

ASDA Stores Ltd.

Key Responsibilities

- Development of a Java-Spring Integration based app for automated communication between Operational Data Store and the Integration Layer (IBM Websphere MQ Broker).

KEY SKILLS

- **Coding Skills:** Scala, Java.
- **Big Data Stack:** Apache Hadoop, Spark, Hive, Sqoop, Oozie.
- **Web Backend Stack:** J2EE, Spring Framework
- **Front-end Stack:** HTML, JavaScript/JQuery, CSS (Bootstrap framework).
- **Platforms:** Ubuntu, Windows.
- **VCS:** Git, SVN.
- **IDEs:** IntelliJ Idea, Eclipse, Zeppelin

AWARDS & ACHIEVEMENTS

- Received digital innovation award from bank management for planning and implementation of Big Data Lake. I was responsible for setting up of a 20-node in-house Hadoop cluster following the lambda architecture with Hortonworks HDP platform.
- Received appreciation from the management for development of downtime prediction system for the bank data center by the use of predictive analysis and machine learning tools.
- Received ILP (Initial Learning Program) Kudos for outstanding

- Development of web based app for inventory management Spring MVC framework.
- Development of RESTful API endpoints using Spring Boot.

EDUCATION

- **B.Tech Computer Science and Engineering |**
West Bengal University of Technology | 2010-2014
DGPA : 8.54
- **Higher Secondary |** Don Bosco Park Circus | 2010
Percentage : 88.86
- **Secondary |** Don Bosco Park Circus | 2008
Percentage : 89.71

TRAININGS & CERTIFICATIONS

- **Advance Program in Data Sciences**
IIM Calcutta | September 2019-Present
- **Big Data Analysis with Scala and Spark-Coursera.**
April 2019.
<https://www.coursera.org/account/accomplishments/verify/EHWQLT82FFE6>
- **Functional Programming Principles in Scala-Coursera.**
February 2019
<https://www.coursera.org/account/accomplishments/verify/6TWNZCT59M24>
- **Oracle Certified Expert, Java EE 6 Web Component Developer.**
June 2016
https://www.youracclaim.com/badges/0a025802-eaab-43da-a4dd-2dbc5109779c/linked_in_profile
- **Oracle Certified Professional, Java SE 6 Programmer.**
August 2015
https://www.youracclaim.com/badges/7143cae4-8c49-47b9-a9c2-cac3a034e100/linked_in_profile

ACADEMIC PROJECTS

September 2013-May 2014

Smarter Lift Surveillance System (under IBM Global Remote Mentoring Program)

- **Objective:** To build a smarter monitoring system in Lifts using Raspberry Pi.
- **Technology:** Dot Net-Visual C#, C and Shell scripting.

February 2013-August 2013

BMS Map Generator (under IBM Global Remote Mentoring Program)

- **Objective:** To create a Rich UI visual graphic screen editor to create BMS Map Macros. The editor will be able to add comments for each field.
- **Technology:** Core JAVA (Swing Framework), z/OS basics-TSO, ISPF and CICS-defining and installing of maps.

performance from TCS ILP center, Hyderabad.

- Received recognition for being among the top 7 and top 9 participants in IBM-Master the Mainframe Contest-India for years 2012 and 2013 respectively.