

## Ranjit Kumar Singh

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### Key Skills

Business Intelligence, Big Data

Data Modelling & Data Warehouse

Hadoop – HDFS, SparkSQL, PySpark

SQL, Trino, Teradata, PostgreSQL

Tableau, Data Visualization

Python, NumPy, Pandas

Data Analysis, Business Analysis

Statistics, Hypothesis testing

AWS – Redshift, Athena

Agile & Waterfall Methodologies

Team Building & Leadership



### Soft Skills



Change Agent



Collaborator



Motivational  
Leader



Communicator



Thinker



Planner



### Profile Summary

- Experience working with the business intelligence function, with analytical and modeling skills to solve complex problems, forecast future outcomes, and inform business decisions for top-line impact.
- Extensive experience in analyzing and reviewing dimensional modeling.
- Experience in writing complex SQL to create and validate the business rules in DWH.
- Experience in developing Hive/SparkSQL queries to load and process data in HDFS and analyzing large data sets of structure and semi-structure data.
- Expert in scripting, manipulating data sets and Inferential Statistical analysis using python.
- Building visualizations, dashboards, stories of business trends, patterns, and outliers through rich visualizations.
- Good understand of business analysis, trend analysis, segmentation analysis.
- Strong verbal/written communication and data presentation skills, including an ability to effectively communicate with both business and technical team.



### Career Timeline

**Senior Analytics Engineer:** Apple Inc (Contract | Oct 2018 – till date)

**Senior Analytics Engineer:** American Express (Contract | June 2017- Sep 2018)

**Technology Analyst:** Infosys Limited | May2014 - May 2017

**Senior Product Engineer:** Harman Connected Services | Oct 2013-Apr2014

**Project Engineer:** Wipro Technologies | Jan 2011 –Sep2013

## Work Experience

### **Apple Inc (Oct 2018 till date)**

#### **Roles & Responsibilities**

- Partner with business and engineering teams to understand specific data system requirements to support development and analysis.
- Understand the business implication of metrics based on web/app user experience event data such as play, clickstream, commerce transactions.
- Collaborate with engineering teams to design, build, and support the next generation of analytics and reporting systems.
- Own and develop solutions that translate analytical questions into effective reports that drive business action.
- Develop Complex and optimized queries in SparkSQL/PySpark and Trino to validate business case scenario.
- Build python scripts for data mining and structuring for analysis.
- Identify trends and patterns in the data set, develop a hypothesis, and evaluate the result—translating data into meaningful insights and presenting recommendations to key decision-makers.
- Create insightful automated dashboards and data visualizations to track key business metrics related to business performance and initiatives.
- Implement the business case scenario in the internal framework to detect Anomalies in production data.

### **American Express (May 2014 to Sep 2018)**

#### **Roles & Responsibilities**

- Understand data needs by interfacing with fellow Analytics Engineers, Data Scientists, Data Engineers, and Business Partners.
- Designed complex SQL and hive query to create and validate business case scenario to identify trend and customer behaviour .
- Developed the python scripts to perform the data analysis and visulization .
- Developed data-driven dashboards to track metrics and KPI.
- Worked closely with the engineering team and users to develop data pipelines and deliver comprehensive reporting solutions.
- Outline and facilitate the collection of key data sources needed to drive business insights and direction.
- To decompose, prioritize and provide workable solutions to complex business problems using data and analytics.

## Education

Bachelor of Engineering in Computer Science in 2010 from Visvesvaraya technological University, India.

## **Certifications**

University of Michigan (Coursera) : Statistics with Python (Understanding and Visualizing Data , Inferential Statisical Analysis and Fitting Statistical Models to Data with Python)