

Manish Ranjan

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- 6.5 years of experience as Data Analyst in effective end-to-end delivery management for multiple clients.
- Expert in Data Analysis, Performance Optimization of Teradata Database box using Query tuning, physical changes & workload tuning for accomplishing the yearly client ROI target.
- Strong handle on Business Intelligence tools, for automating various dashboards for proactive monitoring of the client system.
- Expertise in automating and scheduling the SQL and shell scripts in UNIX.
- Exposure in Methodologies like Waterfall, Scrum, Agile, & V Model Development; possess broad technical knowledge of application design, architecture, and application integrations.
- Experience in Python, Machine learning & Deep Learning algorithms.

Willing to relocate: Anywhere

Work Experience

(Technical Research Assistant)

Pennsylvania State University - USA

October 2021 to Present

- Analyzed different coding languages that may affect architectural implementations and lead to code anomalies that will hinder software maintenance. Tool using: Designite, Database: Postgresql
- Working towards building a visualization report with help of python, tableau and framework that will detect the mobile application's architectural debt which include architecture degradation symptoms, code anomalies and bugs evolution history.
- Working on building Emotion Classification ML model using unstructured data from Twitter, Forums & Blogs, Main Media, and other sources to analyze it based on emotions. The process includes collecting all the data, using Kafka as a broker to stream real-time data, and then analyzing the data to provide real-time analytics. The analysis process consists of CNN, and Spark Streaming Analyzer.

(Technical Consultant)

Teradata Corp. - Bengaluru, Karnataka

April 2020 to July 2021

- Provided Teradata & Data Analytics support to 1- Telecom and 3- Retails domain clients in building system resource usage forecasting ML model and reduced ~100K dollar yearly cost savings on system maintenance.
- Automated various proactive monitoring tools through tableau dashboards for identifying the performance pain area developed compression automation task for system tables, which helped client in cost savings.
- Implemented automated purging framework for archiving Staging and Core table history data, which saved time and extra billing cost for the client.

(Senior Engineer)

Brillio Technologies Pvt Ltd - Bengaluru, Karnataka

January 2019 to April 2020

- Lead offshore Data and Analytics team of 10 members for retail client.
- Created database object structure, reviewed Teradata SQL code, system Dashboards (through tableau) before implementing into production database to avoid any unplanned outage of system.
- Supported IBM Netezza to TD migration project.
- Improved SLA for many critical applications by implementing Join Index/Multi Join Index, Partition Primary Index, Primary Index change & Materialization, which helped client in overall system cost saving.

(Application Development Analyst)

Accenture Solutions Pvt. Ltd - Bengaluru, Karnataka

November 2014 to December 2018

- Implemented critical retail processes by incorporating UNIX shell interfacing with Teradata and Oracle.
- Awarded the Celebrating Performance Award for a year for effecting 70% drop in recurring production issues through automation.
- Worked as a Data Analyst for MicroStrategy and SAS queries to increase accuracy, which helped management in decision making.
- Worked on Teradata and Oracle database data consistency issue, managed SAP BW & KNIME ETL load pipeline.
- Built multiple data model through Erwin tool, which made database objects deployment efficient for data engineers.
- Automated daily performance through UNIX cron jobs, Autosys, TASM and system health report regularly, which improved the system performance.
- Managed change coordination for the various release management of applications in database using tools Remedy, ServiceNow.

Education

Master of Professional Studies in Data Analytics

The Pennsylvania State University - Malvern, PA

December 2022

Skills

- C
- Python
- R
- SQL
- Unix shell scripting
- SQL/PLSQL
- Scikit
- Numpy

- Pandas
- Matplotlib
- TensorFlow Studying: SAS
- Deep Learning
- TensorFlow
- Hadoop Software: Git
- Teradata SQL
- Oracle
- PostgreSQL
- SAP BI/BW
- Informatica
- Jira
- Remedy
- ServiceNow
- KNIME. Visualization tool: Tableau
- Qlik
- Power BI

Links

<http://github.com/mani-hash-ranjan>