PANKAJ KUMAR PATRA
DATA ENGINEER L4

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WORK EXPERIENCE:

DATA ENGINEER – TATA CONSULTANCY SERVICES   **OCTOBER, 2020 – PRESENT**

Data Ingestion Process

- Designed, developed, and maintained scalable and resilient data pipelines utilizing PySpark, and Databricks to efficiently ingest, process, and transform large datasets from over 30 distinct data sources to data warehouse.
- Created and optimized ETL (Extract, Transform, Load) workflows to seamlessly load data into the data warehouse, ensuring data consistency, high quality, and reliability across all stages of the pipeline.
- Implemented automated data quality validation using PySpark scripts on Databricks, improving the accuracy and integrity of data and **reducing manual validation efforts by 60%, resulting in a 20% reduction in operational costs**.
- Managed and supported production data infrastructure, including monitoring, troubleshooting, and automation of recurring tasks with tools like Control-M to ensure smooth operations and reduce system downtimes.
- Collaborated within agile teams, actively participating in sprint planning, standups, and cross-functional collaboration with data scientists, analysts, and other engineering teams to deliver high-quality data solutions on time.
- Optimized data storage and retrieval processes to improve query performance, reduce latency, and enhance the efficiency of data access for downstream analytics and reporting.
- Provided ongoing support for data integrations, collaborating with internal and external stakeholders to ensure seamless data exchange between various systems, tools, and platforms.

TECHNICAL SKILLS:

PROGRAMMING LANGUAGES	Python, Scala, C, Shell Scripting
DATABASE	SQL, SSMS, Data Warehousing
BIG DATA FRAMEWORKS	PySpark
SCHEDULERS	Control – M
WEB DEVELOPMENT	JavaScript, CSS, HTML
DATA ANALYSIS TOOLS	Microsoft Office 365, Azure Portal, Databricks, Azure Data Factory (ADF)

CERTIFICATES:

- Microsoft certified: Azure Fundamentals (AZ - 900)
- Microsoft certified: Azure Data Fundamentals (DP - 900)
- Microsoft certified: Azure Data Engineer Associate (DP-203)

ACHIEVEMENTS:

- Awarded as "Star of the Month" for input in exceptional process improvements.
- Awarded as "Best Team member" for input in cross-functional groups and engagement.

ACADEMIC PURSUITS:

Sl. No.	Examination	Institution	CGPA	Year of Passing
1	B. Tech	National Institute of Science and Technology, Berhampur, Odisha	8.1	2020

DECLARATION:

I hereby declare that the above-mentioned information is best of my knowledge and belief.