

NAVEEN KUMAR SINGH Date Engineer @Cognizant

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📍 Kolkata, West Bengal

Profile

Data Engineer with 3+ years of experience in building large-scale data pipelines, ETL processes, and data warehouse solutions. Utilized technologies like **Python, SQL, Spark**, and **Databricks** to develop multi-terabyte scalable big data solutions for Banking and financial services companies.

Technical Skills

Programming Languages- Python, SQL

Big Data Technologies- Spark, PySpark, Spark SQL, Databricks

Database- MySQL, Oracle

Cloud computing- Azure (Azure Databricks, Azure Data Factory, Azure SQL, ADLS, Blob Storage)

Data Engineering Tools- Azure DevOps, Data Modelling, ETL/ELT data Pipeline

Professional Experience

Associate, Cognizant Technology Solution

04/2025 – present | Kolkata, India

- Implemented Databricks Medallion Architecture for data modelling in Azure Databricks.
- Translated and optimized SQL stored Procedures into Spark script in Azure Synapse Dedicated Spark Pool.
- Automated raw data ingestion workflows into the Bronze layer using PySpark Notebooks, capturing structured and semi-structured data from various source systems while ensuring data quality and schema enforcement.
- Transformed Silver tables into Gold tables as per KPIs and Loaded the Gold tables into ADLS.

Programmer Analyst, Cognizant Technology Solution

07/2023 – 04/2025 | Kolkata, India

- Delivered a project to migrate legacy on-premise processes to the cloud using Big Data technologies (Spark), reducing processing time by 20%.
- Migration of Apache Nifi to Microsoft Azure Environment.
- Using ADF for creating pipeline triggers and performing some ETL operations.
- Using Spark and Databricks environment for writing Pyspark Code for ETL purposes.
- Directly involved in Development and client facing as well for UAT and PROD deployment.

Programmer Analyst Trainee,

07/2022 – 07/2023 | Kolkata, India

Cognizant Technology Solution

- Successfully migrated **500-600 TB** of data from a legacy Databricks workspace to a UC enabled environment.
- Handled the transfer of **6400+** managed tables & external tables, **50+** containers, **30+** user groups, **1000+** jobs.
- Implemented sync method to efficiently migrate in external tables, ensuring data integrity during the migration.
- Employed deep clone/CTAS (Create Table As Select) techniques for migrating in managed tables.

Intern, Cognizant Technology Solution

02/2022 – 07/2022 | Kolkata, India

- Analyzed more than 30,000 customer sales data to find bottlenecks in the business process.
- Trained with Python, SQL, and PySpark.

Education

Bachelor of Technology, Techno India Saltlake, West Bengal

2018 – 2022 | Kolkata, India

8.53/10 CGPA