

# Jagadish Mohanty

Data Engineer

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## SKILLS

- Python
- SQL/PLSQL
- Apache Airflow
- Git
- PySpark
- AWS (S3, RDS)
- Astronomer

## EDUCATION

### Master of Science (IT)

Mumbai University  
(2024 - 2026)

### Bachelor of Science (IT)

Wardiere University  
(2021 - 2024)

### HSc (Science)

Mumbai University  
(2019 - 2021)

## PROFILE

Motivated IT Professional with a strong academic foundation in science and technology. Skilled in problem-solving, teamwork, and adaptability, with a passion for continuous learning and growth. Eager to apply my skills and knowledge in a dynamic IT environment and contribute to innovative solutions.

## WORK EXPERIENCE

### Deloitte USI

Feb 2024 - Present

#### Data Engineer - Associate Analyst

- Designed and developed scalable ETL data pipelines to ingest market data from multiple external sources including ENTSO-E API, Apricon ISO API, Swagger APIs, and other REST APIs.
- Built data ingestion workflows to collect intraday and historical energy trading data, including Powerbot provider feeds, supporting real-time and batch processing use cases.
- Processed and managed Germany energy market datasets such as weather, coal prices, wind, solar, aFRR, mFRR, and related trading indicators.
- Implemented data storage solutions using AWS S3 for data lake storage and AWS RDS for structured relational data, ensuring scalability, reliability, and data consistency.
- Retrieved, processed, and maintained 30+ years of historical market and energy data to support machine learning model training, backtesting, and performance evaluation.
- Performed time-series transformations, including converting data granularity from 15-minute intervals to 1-hour intervals, to improve data usability and analytical clarity.
- Monitored, maintained, and supported production data pipelines, ensuring high availability, timely data delivery, and quick resolution of pipeline failures.
- Optimized database performance through clustering, indexing, and query tuning, improving query efficiency and pipeline execution time.
- Automated data quality checks to detect missing or inconsistent data and implemented alerting mechanisms for proactive issue identification.
- Supported machine learning initiatives for energy price prediction by preparing clean, consistent datasets and enabling scenario-based data population for analysis.

## LANGUAGE

- English
- Hindi
- Marathi
- Oriya

## CERTIFICATION

- ISTQB (Foundational)
- Python Essentials
- PySpark (Udemy)