

Murari Komati.

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Technical Skills

Tools and Platforms Worked On: Azure, AWS, DataBricks, Microsoft Fabric, Azure Data Factory, Azure DevOps.

Languages and Databases: Python, SQL, PySpark, Spark SQL, Kafka, Hadoop, MySQL, C++, Machine Learning.

Libraries and Modules: Langchain, NLTK, Pytorch, TensorFlow, Pandas, Matplotlib, Numpy, Scikit-learn, OpenCV, Pygame.

IDE's: VS Code, Jupyter.

Commands: Git, GitHub.

Certificates: Databricks Lakehouse Fundamentals, Databricks Generative AI Fundamentals, and Python Basics for Data Science from EDX Certification.

Experience/Projects

Data Master Consulting Pvt Ltd.

March 2023 – Present

Client1-Advania UK Limited: Real-Time Data Orchestration in Azure with Medallion Architecture, March 2023 – August 2024
Data Engineer-Trainee Solapur, India

- Designed and implemented end-to-end ETL pipelines using Azure Data Factory to integrate data from Dataverse, Synapse, and APIs into Azure Data Lake Storage Gen2
- Eliminated 100% of manual data loading by implementing automated incremental data loading processes
- Implemented Medallion Architecture in Databricks to optimize data governance and ensure 100% data quality
- Developed complex data transformations using Spark and Python, structuring raw data for analytics and reporting
- Built CI/CD pipelines with Azure DevOps to automate workflow deployments, reducing deployment time by 40%
- Collaborated with stakeholders to design optimized data models and schemas for Enterprise Data Warehouse (EDW), improving query performance by 25%
- Created comprehensive technical documentation detailing data flows, transformations, and intended business use cases
- Tools & Technologies: Azure DevOps, Python, SQL, Apache Spark, ADF, pytest, Synapse Analytics, Databricks.

Client2-McDonald's: Real-Time Transaction Analytics in Azure with Medallion Architecture, October 2024 – Dec 2024
Data Engineer-Full Time Solapur, India

- Extracted and integrated data from SAP HANA using Azure Data Factory and Kafka for real-time data processing
- Designed and implemented Medallion Architecture in Databricks, focusing on data quality and governance
- Developed Slowly Changing Dimensions (SCD) Type 1 and Type 2 for historical transaction data management
- Optimized Spark transformations for 100GB+ daily transaction data using Liquid Clusters and Broadcast Joins, achieving 60-70% performance improvement
- Designed and created interactive KPIs and Power BI dashboards from scratch with DAX queries, providing business insights that led to 40% sales margin increase

Major Projects, Awards & Achievements

Real-Time Data Integration & RAG-Based Chatbot Development | Gen AI | ChatBot Jan 2025 - Feb 2025

- Developed end-to-end data integration pipelines using Azure Data Factory to ingest unstructured data from SSMS, websites, and PDF/XML files into ADLS Gen2
- Processed and transformed data with Unstructured, BeautifulSoup, and Databricks tools by achieving 80% accuracy.
- Managed models with Unity Catalog and MLflow, deploying via a serving endpoint.
- Tech Stack: Databricks, Langchain, MLflow, LLM, Spark, Azure Data Factory, Firecrawl, BeautifulSoup

Traffic Management System | Computer Vision | Image Processing Sep 2022 - April 2023

Team Lead | Developer

- Developed an ML model to dynamically adjust traffic signals based on real-time traffic density.
- Improved model performance by 98% through fine-tuning.
- Reduced traffic delays by 25% during peak hours through optimized signal timing.
- Technical Skills and Tools Utilized: Python, OpenCV, Pygame, Numpy, Pandas.

Education

Ahilyabai Holkar University WIT College, Solapur, Maharashtra,
Bachelor of Technology in Electronics and Telecommunication Engineering,
Percentage: 80.6%

July 2019-August 2023
Solapur, Maharashtra