

Darshan Chavan

Azure Data Engineer

I am an Azure Data Engineer with hands-on experience in architecting and implementing robust data solutions on the Azure cloud platform. Specializing in **Azure Data Factory (ADF)**, **Azure Databricks**, Azure Synapse, Data Lake, **Azure Blob Storage**, and Azure Functions, I am also proficient in **SQL**, **Python**, Hadoop, and **Spark/PySpark**, as well as version control systems like **Git** and **GitHub**. I ensure seamless data processing, integration, and management in the Big Data landscape. My expertise lies in data transformation, data ingestion, and **ETL/ELT processes**, with a strong background in data processing. Additionally, my experience with Databricks Notebooks and PySpark for distributed data processing, along with my use of Jira for project management, enhances my ability to deliver comprehensive data engineering solutions.

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EDUCATION

Master of Science in Computer science

KCES'S Moolji Jaitha College,
(An "Autonomous College" Affiliated to K.B.C.
North Maharashtra University), Jalgaon.

10/2021 - 07/2023

Maharashtra, India

Bachelor of Science in Computer Science

K.B.C. North Maharashtra University,
M.J College, Jalgaon.

07/2018 - 06/2021

Maharashtra, India

PERSONAL PROJECTS

Data Engineering Project:

DATA MIGRATION AND ANALYSIS (DMA)

- This project in the **Insurance domain** aims to analyze customer growth and revenue trends while extracting insights related to customer behavior, revenue generation, and age group analysis
- Designed and implemented robust end-to-end **data pipelines** using Azure Data Factory to ingest, transform, and load large volumes of insurance data from **MongoDB Atlas** into Azure Data Lake Storage Gen2 (**ADLS Gen2**).
- Implemented data pipelines using Azure Data Factory and Databricks to **Extract, Transform, and Load (ETL)** diverse insurance data and Performed **data cleaning, transformation** in Databricks Notebook
- Leveraged **Azure Databricks** to perform complex data processing and analysis tasks, including customer segmentation, trend analysis, and revenue forecasting.
- Then stored in ADLS Gen2 using the **Medallion architecture** to organize data into bronze (raw), silver (cleaned), and gold (aggregated) layers, optimizing data quality, accessibility, and processing efficiency for ETL pipelines and analytics. After that, I **stored** the data in Azure SQL Database for easy access by the Power BI team.
- Technologies: Azure Data Factory, Azure Databricks, Azure Data Lake Storage Gen2, Azure SQL Database, MongoDB Atlas, SQL, Python, ETL processes, Pyspark, Data Warehousing, Data Modeling, Data Analysis
- Roles and Responsibilities: 1. Building, Maintaining and Monitoring the Pipeline for ETL process. 2. Building the Data Pipeline with the help of Azure Services. 3. Leverage of Bigdata Technologies like Spark for processing of large scale dataset. 4. Monitoring and optimising data pipeline for performance, scalability and Cost efficiency.
- Achievements: Successfully migrated and transformed millions of insurance records, improving data quality and consistency. Identified key trends and patterns in customer behavior, enabling data-driven decision-making. Developed a scalable and maintainable data pipeline that can accommodate future growth and evolving business needs. Contributed to significant revenue growth and customer satisfaction by providing timely and accurate insights.

SKILLS

Azure Data Factory

Azure Databricks

Azure Blob Storage

ADLS Gen2

ETL / ELT

Databricks Notebook

Azure Synapse

Data Warehouse

MongoDB Atlas

Delta Lake

Data Transformation

SQL

Python

Apache Spark / PySpark

Hadoop

MySQL, Oracle

RDBMS

Git / GitHub

Jira

Agile Methodology

Medallion Architecture

CERTIFICATES

Databricks Certified: Databricks Lakehouse Fundamentals

Issued by **Databricks**

SQL Certificate

Issued by **HackerRank**

Spark Fundamentals

Awarded by **IBM Skills Network**

Data Engineering with Databricks

Issued by **Databricks Academy**

Python Certificate

Issued by **HackerRank**

HackerRank Badges - SQL & Python

Issued by **HackerRank**

Microsoft's learning portal - 49 Badges & 13 Trophies

"I am actively expanding my knowledge in **Azure services** and new technologies like **Microsoft Fabric** through **continuous learning on the Microsoft Learning Portal**. I also participate in Microsoft challenges to stay updated with the latest advancements and enhance my expertise in data engineering and cloud solutions."

TRAINING & INTERNSHIP EXPERIENCE

HEURISTIC Technopark,
Intern, 01/2023 - 04/2023

Worked on the News Portal project, demonstrating technical skills and contributing effectively as part of the development team.