

Satish Mandale

Azure Data Engineer

Personal Info

Email

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Skills

Azure Data Factory (ADF)
Azure Data Lake Storage (ADLS)
Azure Databricks
Azure Synapse
Azure SQL Database
Spark SQL, SQL
PySpark, Python
Azure DevOps
Power BI
Power Automate
ETL
VBA

Soft Skills

Agile Practitioner
Strong Problem Solving Skills
Continuous Learner
Collaborative Team Player

Certifications

DP-203- Azure Data Engineer Associate
AZ 105 - Microsoft Azure Administrator
AZ 305 -Azure Solution Architect Expert
70-778 -Microsoft Power BI

Education

2012- BE- Information Technology
2022 -MBA- Artificial Intelligence and
Machine Learning (3rd semester)

Professional Summary

7.5+ years experienced and certified Azure Data Engineer specializing in ETL processes, Business Intelligence, and Data Warehousing. Proficient in designing and implementing end-to-end data pipelines using Azure Data Factory (ADF) and other tools Transforming data using Azure Databricks, PySpark and Python .Skilled in transforming raw data into meaningful insights through powerful visualizations uses Microsoft Power BI. With a solid foundation in database technologies like Microsoft SQL Server, Azure SQL Database, and MySQL, I excel in creating efficient and scalable data solutions

Work History

Sr. Member Technical- Data Engineer

ADP India Ltd - (Feb 2023 to Present)

BU- NAS RPO Analytics

- Developed multiple pipelines for daily data ingestion from diverse sources, utilizing Azure Data Factory for efficient data movement and transformation.
- Monitored pipelines to ensure streamlined data access, promptly identifying and addressing any performance or data quality issues. Which improves 30% performance
- Developed a well optimized ADF pipeline which has reduced the execution time by 20%
- Collaborated with cross-functional teams to understand data requirements and optimize pipeline design for enhanced data processing.
- Worked closely with data scientists and analysts to integrate and align data sources, enabling comprehensive analytics and reporting.
- Utilized Azure Databricks and PySpark for processing and analyzing large datasets, resulting in improved insights for business stakeholders.

Project – Smart Policy Data System Project

- Developed an end-to-end data-engineering pipeline for a top insurance company, enhancing claims analysis and customer segmentation.
Key achievements include:
 - Ingested and stored multi-source data into Azure Data Lake Storage (ADLS) Gen2, improving data accessibility by 30%.
 - Processed and transformed raw data with Azure Synapse Analytics, resulting in a 25% reduction in data processing time.
 - Conducted advanced analytics using Azure Databricks, identifying 5 distinct customer segments for targeted marketing.
 - Automated the data pipeline with Azure Data Factory (ADF), increasing operational efficiency by 20%.
- The project led to a 15% increase in targeted marketing effectiveness and reduced customer churn by 10%.

Data Analyst

Cummins India Ltd (Dec 2021 to Feb 2023)

BU- Cummins Global Services and Analytics (CGSA)

- Developed multiple pipelines for daily data ingestion from diverse sources, utilizing Azure Data Factory for efficient data movement and transformation.
- Increase Part notes Accuracy from 30 % to 80 % using Toad Power BI automation in process.
- Created Order to Cash Dashboard in Power BI to analyses K PI of the process for Leaders.
- Utilized PySpark, SQL and Azure stack for processing and analyzing large datasets,
- Saved monthly 374 Hrs. by automation of various processes in Business unit.
- Contributed to ongoing process improvement initiatives, identifying opportunities to automate manual tasks and enhance pipeline efficiency

Project: - Cummins Connected Vehicle Systems

Purpose: Providing comprehensive analytics and strategic planning for the vehicle engine domain.

- Created daily data ingestion pipelines, facilitating continuous data migration from AWS S3 bucket to Azure Data Lake Storage.
- Utilized Azure data Factory (ADF) to validate JSON format for files. and passed move to Azure SQL Database/
- Monitored and managed pipeline status, implementing alert metrics to ensure seamless operations.
- Processed data it utilized by Data Science and BI team

Associate

Cognizant Technology Solutions (Aug 2019 to Dec 2021)

Client - Smartest Energy Ltd. (UK) (Mar 2020 to Dec 2021),
CIT Bank (USA) (July 2019 -Mar 2020)

- Develops, Deliver and Testing of the Excel macro/VBA based application.
- Post-delivery Enhancements and Error resolution as reported by client.
- Create and maintain Work items for Application in Azure DevOps.
- Utilized Azure Data factory, Databricks and pyspark for implementing datapatform project.
- Creation of Power BI Dashboards, Power Bi Service, Cloud, Schedule Refresh,
- DAX, Data Modeling, Data Connectors on Ad-hoc basis.

Smartest Energy data Platform Project

Purpose: Enhancing efficiency and reducing downtime by improving client data processing

- Utilized Azure Data Factory (ADF) to collect data from REST APIs and on-premises MySQL server for comprehensive data acquisition in ADLS.
- Crated Azure SQL database to store tables schema and validate with ingestion files for valid data formats and to check passed or failed accordingly.
- Implemented Azure Key vault to store secrets and security of confidential data.
- Used Azure Databricks to write validated files in Delta tables in Azure Databricks.
- Implemented data visualization using Power BI using processed data in Delta tables which also utilized by BI and Reporting Team.

Analyst

Mahindra Integrated Business Solutions - (Jan 2019 to July 2019)

- Provide process improvements through MS Office tools, VBA, Excel & Access.
- Responsible for all project lifecycle phases, from specifications and coding through deployment, testing, debugging, documentation, and maintenance.
- Create VBA programs to automatically update Excel workbooks, dashboards, tools Development.
- Ensure projects are completed on time and within budget, achieving 97% success Rate.

MIS Analyst

Fasttrack Technologies -(Apr 2016 to Jan 2019)

- My core job is automation of MIS work and creates reports for MIS.
- Reports are created using MS-Excel, VBA, MS-Access