Asis Jovin A B.Tech, Artificial Intelligence And Data Science

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Result-oriented Data Science professional with experience delivering data-driven solutions across healthcare, business, and service domains. Skilled in predictive modeling, statistical analysis, and data visualization to support strategic decision-making. Proficient in Python, SQL, and scalable workflows with exposure to Azure and Databricks. Demonstrated expertise through published medical data science research, Elsevier contributions, and real-world projects like ChronicCare, Drive Rescue, and RoomSync. Recognized at a national hackathon for developing an impactful food donation app, with a strong ability to convert complex datasets into actionable insights.

Primary Skill

Azure Data Factory
Docker
Data WareHouse

Azure Data Engineering
Databricks
DeltaLake
Azure Devops

Secondary Skill

Programming Language

Python, PySpark, SQL

EDUCATION

2021-2025

B.Tech - Artificial Intelligence And Data Science

(Karpaga Vinayaga College OfEngineering and

CERTIFICATE COURSE

Azure Data Engineering

WORK EXPERIENCE

Data Engineer – Boston Nex Tech, Chennai

(JAN 2025 - SEPT 2025)

- Designed and maintained ETL pipelines in Azure Data Factory (ADF) & Azure Databricks, integrating data from multiple sources into Azure Data Lake Storage & Azure Synapse Analytics.
- Implemented Azure Delta Lake architecture for schema evolution, faster queries, and scalable storage.
- Built real-time streaming pipelines and automated data validation checks in Azure Databricks (PySpark). Utilized Azure DevOps for CI/CD automation, deployment of data pipelines, version control, and release management.

Environment:

- Azure Cloud: Azure Data Lake, Azure Synapse Analytics, Azure Databricks, Azure Devops, Azure Data Factory.
- Reporting & Visualization: Power BI Service
- Programming & Data Processing: Python, SQL, PySpark

Data Analyst – Prowesstics, Chennai

(JUL 2022 – AUG 2022)

- Designed and developed ETL pipelines for ingesting structured/unstructured data from diverse sources (APIs, SQL databases, flat files) into Azure Data Lake Storage and Azure Synapse Analytics.
- Performed data preprocessing, cleansing, and validation using Python, SQL, and PySpark in Azure Databricks to ensure high-quality datasets for analytics.
- Built and optimized data transformation workflows in Azure Databricks, applying partitioning, caching, and Spark optimization techniques to reduce processing time.
- Created interactive dashboards and reports in Power BI (integrated with Azure services) for business users, delivering insights on operations, performance metrics, and forecasting.
- Implemented data quality checks, exception handling, and error logging within Azure Data Factory pipelines to monitor workflows and improve reliability.Applied Azure DevOps to automate CI/CD workflows, ensure smooth deployment of data pipelines, maintain version consistency, and optimize release cycles.

Environment:

- Azure Cloud (Azure Data Lake, Azure Synapse, Azure Databricks, Azure Data Factory, Azure Devops)
- Power BI Service (for reporting and dashboards)
- Programming environment: Python, SQL, PySpark

PERSONAL DETAILS
Nationality: Indian

ADDRESS

445 G type-1Quatres
Block-29 Neyveli-7
607807

Project Experience:

1.Real-Time Sensor Failure Prediction (Manufacturing Analytics)

Project: Built end-to-end ETL and real-time streaming pipelines in Azure Data Factory (ADF) and Azure Databricks (PySpark) to ingest wafer sensor data, design scalable data models in Azure Data Lake Storage, implement predictive ML pipelines for equipment failure forecasting, and visualize insights in Power BI.

2. Insurance Data Lake & Claims Processing

- Designed a Data Lake architecture on Azure to consolidate structured and unstructured insurance data (claims, policies, customer documents).
- Created data ingestion pipelines using ADF and Databricks for batch and streaming data.
- Implemented data quality checks, schema validation, and lineage tracking for compliance.
- Built curated Delta Lake tables optimized for query performance in Databricks SQL, reducing processing latency by 30%.

3. Retail Sales Data Warehouse & Analytics

- Developed ETL workflows to extract data from on-prem SQL Server, transform in Databricks (PySpark), and load into Azure Synapse Analytics.
- Applied incremental data loading and partitioning strategies to optimize refresh times.
- Built semantic models and connected Power BI for sales forecasting and trend analysis.
- Enabled stakeholders to access interactive dashboards with KPIs on sales, inventory, and regional performance.

4. Healthcare Data Integration for ChronicCare App

- Designed a data pipeline to ingest patient health data (CSV, JSON, API) into Azure Data Lake Storage.
- Built ETL workflows in Databricks for data cleaning, feature engineering, and standardization ofmultimodal datasets (numerical + text).
- Stored processed datasets in Delta Lake for efficient retrieval in predictive models.
- Integrated Azure ML for downstream analytics and reporting ofpatient health insights.

5. Food Donation Analytics Platform (Hackathon Project)

- Implemented a scalable pipeline to process real-time donation and request data using Databricks and Kafka.
- Designed schema in Azure SQL Database to track donations, NGO requests, and logistics.
- Built ETLjobs to generate insights on surplus food availability, matching donors with NGOs efficiently.
- Reduced food wastage by optimizing matching algorithm with data-driven insights.

I hereby declare that the above-mentioned details are true to the best of my knowledge.

Place: Chennai

Yours Sincerely
ASIS JOVIN A