Asis Jovin A

+91-9791246593 | asisjovinfernando2003@gmail.com

Aspiring Data Science professional seeking opportunities to apply expertise in 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. Built a strong foundation through published medical data science research, Elsevier contributions, and practical projects such as ChronicCare, Drive Rescue, and RoomSync. Recognized at a national hackathon for creating an impactful food donation app, with a proven ability to translate complex datasets into actionable insights.

Primary skills:

Azure Data Factory,Data Warehouse, Azure s3 Blob Storage, Azure Synapse, Azure Devops, DataBricks, Docker, Jenkins, Git, GitHub,Terraform, Ansible, Docker, Kubernetes, Prometheus, Nginx, Nexus,Azure Devops

Libraries:
Numpy, Scikit-Learn, TensorFlow Matplotlib

Machine Learning:
Supervised & Unsupervised Learning, Model Evaluation, MlFlows, Feature Engineering

Secondary Skills:
Python, PySpark, SQL,PowerBI/ Tableau,SSIS, Azure, Google Data Studio

Market Research & Reporting Tools

SurveyMonkey / Qualtrics ,Microsoft Power,Automate (for workflow automation),Google

Internship Experience

Data Engineer – Boston Nex Tech, Chennai

May 2025 – Sept 2025

- Designed and managed end-to-end data pipelines using Azure Data Factory, Databricks (PySpark), and IBM DataStage, with seamless integration into Azure Data Lake Storage & Azure Synapse Analytics.
- Implemented Delta Lake architecture enabling schema evolution, optimized storage, and high-performance querying for scalable analytics workloads.
- Built real-time streaming workflows and automated data quality checks in Databricks, improving pipeline accuracy and reducing manual efforts.
- Utilized Azure DevOps for CI/CD, integrating version control, automated testing, and pipeline deployments to ensure smooth and secure data delivery.
- Practiced DevSecOps principles by embedding security controls in CI/CD pipelines and applying OWASP guidelines for secure development.
- Managed workloads across Azure Kubernetes Service (AKS) for container orchestration and scalable execution environments.
- Collaborated in Agile environment using Jira for sprint planning, task management, and cross-functional coordination.
- Performed data analysis and reporting using Dataiku, Power BI, Tableau, and Advanced Excel to support business insight development and decision-making.

Tech Stack & Tools

- Cloud & DevOps: Microsoft Azure (Data Lake, ADF, Synapse, Databricks, AKS), Azure DevOps (Repos, Pipelines), CI/CD, Git, DevSecOps, Agile, Jira
- Containerization & Orchestration: Docker,Azure Kubernetes Service (AKS).
- Programming & Automation: Python, SQL, PySpark, Shell Scripting (Basics)
- Monitoring & Best Practices: Pipeline monitoring, automated validations, Security checks, OWASP principles
- Visualization & Reporting: Power BI, Tableau, Dataiku, Advanced Excel (Statistical Analysis, Monte Carlo Simulation)

Bussiness Analyst – Prowesstics, Chennai
(JUL 2023 – AUG 2023)

- 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.

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

EDUCATION:

2021-2025

B.Tech - Artificial Intelligence And Data Science

(Karpaga Vinayaga College OfEngineering and Technology,Chennai)

CGPA: 7.6

CERTIFICATE COURSE:

- Azure Data Engineering
- Market Research Fundamentals Certification
- Oracle Gen AI Professional

PERSONAL DETAILS

Nationality: Indian

ADDRESS

445 G type-1Quatres Block-29 Neyveli-7 607807, Cuddalore, TamilNadu

Project Experience:

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

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

- Coordinated with healthcare professionals to identify critical patient metrics (vital signs, treatment adherence, and progress tracking).
- Designed a patient insight framework where multimodal health data (numerical + text) was standardized for easy interpretation.
- Facilitated interactive dashboards that provided doctors and management with trends in patient health, enabling better resource allocation and service planning.
- Presented findings to stakeholders, focusing on how predictive insights could improve patient retention and engagement.

5. Food Donation Analytics Platform (Hackathon Project)

- Collaborated with NGOs, donors, and logistics teams to identify gaps in food distribution.
- Designed a structured framework to track donations, NGO requests, and logistics operations.
- Streamlined donor–NGO matching process using data-driven insights to reduce delays.
- Developed reporting dashboards to provide management with visibility on food availability and NGO demand trends.
- Supported management in making better decisions on resource allocation and CSR initiatives.