

Bishwajit Prasad Singh

Aspiring Data Engineer | Azure Data Factory | Azure Databricks | PySpark | Delta Lake | Event Hub | SQL
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Professional Summary

Aspiring Data Engineer with hands-on experience in building cloud-based ETL pipelines using Azure Data Factory, Databricks, and Delta Lake.

Proficient in PySpark and SQL for data transformation. Skilled in real-time data ingestion using Event Hub & Stream Analytics.

Focused on delivering scalable, production-ready data solutions on Microsoft Azure.

Technical Skills

- **Cloud & Tools:** Azure Data Factory, Azure Databricks, Data Lake Gen2, Event Hub, Stream Analytics, Key Vault, Azure DevOps, Blob Storage, AWS S3
- **Data Engineering:** ETL & ELT Pipelines, Real-time Streaming, Bronze–Silver–Gold Layering, Delta Lake (Managed & External), CI/CD, API Ingestion, JSON, Parquet
- **Programming & Querying:** Python (Pandas, NumPy), SQL (Joins, Aggregations, Window Functions), Shell Scripting (Basics)
- **Tools & Visualization:** Git, GitHub, VS Code, Jupyter Notebook, Power BI (Basics), Linux CLI

Projects

• Olympics Data Lakehouse | [GitHub](#)

Tech Stack: Azure Data Factory, Azure Databricks, PySpark, Delta Lake, Azure DevOps
– Designed parameterized ADF pipelines with JSON control
– Applied PySpark transformations and CI/CD deployment to Gold Layer via DevOps

• NYC Yellow Taxi Pipeline | [GitHub](#)

Tech Stack: Event Hub, Stream Analytics, Azure Databricks, Delta Lake
– Built real-time streaming pipeline: Event Hub → Stream Analytics → Bronze → Gold
– Created Delta external tables for reporting and analytics

• AdventureWorks Data Engineering | [GitHub](#)

Tech Stack: SQL Server, ETL, Star Schema
– Modeled fact/dimension tables and performed SQL-based transformations
– Built reporting-ready layer using data warehouse concepts

Certifications | [microsoft-certifications GitHub Repo](#):

- Microsoft Certified: Azure Fundamentals (AZ-900)
- Microsoft Certified: Azure Data Fundamentals (DP-900)
- Microsoft Certified: Azure Data Engineer Associate (In Progress)

Education

B.Tech – Computer Science & Engineering, NSHM Knowledge Campus, Durgapur
Graduation Year: 2023 | CGPA: 8.4