Dewansh Vishwakarma

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TECHNICAL SKILLS:

- **Programming & Database**: Python, SQL, MySQL, PostgreSQL, MongoDB
- **Big Data & Processing**: Apache Spark (PySpark), Apache Kafka
- **Cloud**: **Azure** (ADLS, Synapse, Databricks, Data Factory, Event Hub), **AWS** (Lambda, Kinesis, S3, Redshift, QuickSight)
- **Orchestration, Version Control & Containerization**: Apache Airflow, Git, Docker

CERTIFICATIONS:

Microsoft Azure Data Fundamentals | CS 50: Introduction to Computer Science | SQL for Data Science

EXPERIENCE:

Data Science Intern | Cognifyz Technologies   May 2024 - July 2024
- Collaborated on real-world datasets to build analytical solutions using Python and SQL. Identified critical patterns and insights that supported strategic business decisions, improving reporting efficiency by 30%.
- Delivered actionable dashboards and reports to stakeholders.

Data Science Intern | Oasis Infobyte   February 2024 - April 2024
- Developed data pipelines and performed deep-dive analysis on operational datasets using SQL and Python.
- Streamlined internal reporting by automating key metrics extraction, leading to a faster and more informed decision-making process.

Data Science Intern | The Sparks Foundation   November 2023 – January 2024
- Created interactive dashboards and reports by analyzing multi-source datasets using Python and SQL.
- Enabled stakeholders to monitor KPIs in real-time and make data-driven strategic decisions, improving operational transparency.

PROJECTS:

Link | AI-Driven Fraud Detection Pipeline Using Azure

Tech Stack: Azure Event Hub, Databricks (PySpark), Synapse, ADLS, Azure ML, Apache Spark
- Developed a scalable real-time fraud detection pipeline processing transactions.
- Applied PySpark transformations and integrated an ML model to identify anomalies with 70% accuracy.
- Orchestrated alert generation and data flow between Event Hub, Databricks, Synapse, and ML endpoints.

Link | Financial Market Data Pipeline (Azure)

Tech Stack: Azure Data Factory, ADLS, Azure Synapse, PySpark, SQL
- Engineered an end-to-end batch data pipeline to ingest and process market data for 50+ stocks.
- Implemented PySpark-based transformations and streamlined reporting via Synapse views and Power BI.
- Optimised performance using ADF mapping flows and Delta Lake partitioning strategies.

Link | Real-Time Twitter Sentiment Analysis using AWS

Tech Stack: AWS Kinesis, Lambda, S3, Athena, Glue, CloudWatch
- Built a real-time ingestion pipeline using AWS Kinesis to capture streaming tweets on trending topics.
- Automated sentiment classification and data querying via Glue and Athena.
- Delivered insights for trending topics with 70%+ sentiment classification precision.

EDUCATION:

Gyan Ganga College of Technology, Jabalpur | Master of Computer Application (MCA)   2023 – 2025
GPA: 8.7/10

St. Aloysius College, Jabalpur | Bachelor's Degree in Computer Science (BSc)   2020 – 2023