Dhairya Pratap Singh Gaur

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LinkedIn | **GitHub**

PROFILE

Data Engineer with 3+ years of experience in building scalable **ETL** pipelines, big data processing, and cloud-based solutions. Proficient in **Python, SQL, PySpark, Databricks, and GCP**, with expertise in optimizing workflows and improving data quality. Passionate about delivering high-performance data solutions that drive business insights.

TECHNICAL SKILLS

Programming Languages:	Python, SQL
Big Data Technologies:	Spark, PySpark, Spark SQL
Cloud Platforms:	Databricks, Google Cloud Platform (GCP)
Data Engineering Concepts:	ETL, Data Warehouse, Data Lake, Data Lakehouse, Data Modelling
Visualization Tools:	Amazon QuickSight

EXPERIENCE

KPMG   November 2021 - Present
Data Engineer   *Bangalore, India*

- Optimized SQL scripts from Teradata for catalog tables to ensure efficient and effective migration.
- Built metadata scripts and constructed **ETL** data pipelines within the **Medallion Architecture** framework.
- Implemented data processing and transformation logic using **PySpark** and optimized queries with **Spark SQL**, reduced query runtime by **60%**.
- Deployed and managed scalable data solutions leveraging **Databricks** for collaborative development and performance tuning.

- Designed and implemented detailed reports and data analysis pipelines, increased data scalability by **30%**.
- Developed interactive, data-driven dashboards utilizing **Amazon QuickSight** for visualization.
- Managed database operations and optimized queries using **pgAdmin** and **PostgreSQL**.

SmartBridge   May 2020 - June 2020
Machine Learning Engineer (Intern)   *Hyderabad, India*

- Developed an automated AI system to predict individual life expectancy, achieved a predictive accuracy of **94%**.
- Incorporated various factors such as demographic, health, lifestyle, and socioeconomic data.
- Utilized IBM frameworks, including :
- **IBM Cloud** for infrastructure and scalability.
- **IBM Watson** for data processing and machine learning model development.
- **IBM Machine Learning Instance** for model training, deployment, and real-time predictions.

CERTIFICATIONS

- Databricks Lakehouse Fundamentals
- Databricks AWS Platform Architect
- Databricks Azure Platform Architect
- Databricks GCP Platform Architect
- Databricks Platform Administrator

EDUCATION

Guru Gobind Singh Indraprastha University   CGPA - 7.1
Bachelor of Technology in Electronic and Communication Engineering   *August 2017 - July 2021*

Kendriya Vidyalaya Sangathan   12th - 77.4%
Physics, Chemistry, Mathematics, English and Computer Science   *April 2015 - March 2016*