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Data Engineer

SUMMARY

Junior Data Engineer with hands-on experience in ETL development, scalable data pipelines, and data integration. Strong background in data science and analytics, with experience using modern data processing tools, and SQL-based workflows.

EDUCATION

Kafrelsheikh University Oct 2021 – Jul 2025
Faculty of Artificial Intelligence (Bachelor of Artificial Intelligence). GPA: 3.1

RELEVANT EXPERIENCE

Data analytics specialist Jul 2025 - present
Axiora Part time
• Optimized **data analysis techniques** to improve agent performance and reporting efficiency.
• Designed and implemented robust **data handling** and **data cleaning** workflows.
• Created **dashboards** and insight-generation **blueprints** to support data-driven decision-making.

Big Data Intern Jan 2025
Orange digital center Hybird
• Developed a strong foundation in **Big Data** concepts, architectures, and processing techniques
• Delivered hands-on projects and practical exercises focused on real-world data challenges

Huawei machine learning Trainig Dec 2024
NTI OnSite
• Implemented advanced **Machine Learning** and **Deep Learning** techniques.
• Delivered **real-world projects** and hands-on case studies focused on practical data solutions.
• Leveraged Python for **data preprocessing**, visualization, and **model development**.

PROJECTS

Airflow-dbt-pipeline | Python [Github Repo](#) Feb 2026
* Built an end-to-end data pipeline using dbt, PostgreSQL, and Apache Airflow.
* Automated ETL workflows and data transformations.
* Implemented scheduling and data validation for reliable processing.

SQL-Data-Warehouse | T-SQL [Github Repo](#) Dec 2025
* Built a SQL Server data warehouse using Medallion Architecture (Bronze, Silver, Gold).
* Developed ETL pipelines and star schema models for analytical reporting.
* Generated SQL-based insights on customer behavior, product performance, and sales trends.

Graduation Project A+

Role: Data Engineer

- * Integrated PySpark Streaming for real-time data processing and forecasting.
- * Built a scalable data pipeline feeding streaming data into an LSTM model.

TECHNICAL SKILLS

- **Programming Languages:** Python, SQL, Java
- **Databases:** MySQL, PostgreSQL, T-SQL,
- **Data Processing:** PySpark, SQLAlchemy, Pandas, Polars
- **Development Tools:** Jupyter Lab, Docker, Hadoop, Terminal, Power BI, GIT.

LANGUAGE SKILLS

- **Arabic:** Mother Tongue.
- **English:** B2 (Achieved Level 7 / Level B1.3 on the CERF scale on Berlitz Online Placement Test in English).