

Mohamed Kamal

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TECHNICAL HIGHLIGHTS

- 2 years of experience in ETL, Data Warehousing, and BI Solutions
- Built scalable data pipelines using SSIS, SQL, reducing processing time
- Expert in SQL optimization, Power BI dashboards, and automating workflows
- Certified in IBM Data Analytics and Microsoft Power BI

PROFESSIONAL EXPERIENCE

Data engineer 10/2024 – present
Digital Hub New Cairo, Egypt

- Architected an end-to-end data pipeline: Ingestion (SQL Server → SSIS) → Transformation (Power Query) → Dashboard (Power BI)
- Designed and deployed SSIS ETL pipelines to automate data ingestion from databases, to reduce manual effort
- Building Data Warehousing solutions with SQL Server and staging data into normalized schemas.
- Implemented incremental data loading in pipelines.
- Creating interactive Power BI dashboards with DAX measures for reporting and performance analysis.
- Writing complex SQL queries for data transformation, cleansing, and reporting.

Data analyst 04/2024 – 10/2024
Digital Hub New Cairo, Egypt

- Implemented ETL processes for streamlined data integration and quality.
- Automated workflows with Python and VBA, improving efficiency.
- Developed Python scripts to auto-clean and merge Excel reports, cutting process time
- building interacted dashboards based on business needs

Data Analytics - Microsoft Power BI Engineer intern 04/2024 – 10/2024
MCIT-DEPI

- Gained experience in extracting, transforming, and analyzing complex datasets.
- Wrote efficient SQL queries for data manipulation and reporting.
- Built dynamic Power BI dashboards and visualizations to uncover insights.

PROJECTS

Students grades Bi project

kipling school

- Designed and implemented an end-to-end data analytics solution for an educational institution.
- processing 70,000+ grade records across 950+ students and 76 subjects for 10 years of educational data using Python (pandas, openpyxl) and Power BI.
- Developed an automated ETL pipeline that recovered 1,075 missing records (+11.5%) and reduced data processing time.
- Created interactive Power BI dashboards with 40+ visualizations and DAX measures, achieving 100% user adoption within the first week.

Economic Indicator Bi project

Ministry Of Planning and Economic Development

- built an SSIS package to transform data from SQL Server
- Built Data incremental package for insert and update
- **Designed an interactive Power BI dashboard:**
 - Cleaned and transformed data (handled missing values, and currency conversions) with Power Query.
 - Created more than 10 dynamic pages (time-series charts, heatmaps) with drill-down capabilities.
 - Implemented DAX measures for YoY comparisons

National Accounts DW

Ministry Of Planning and Economic Development

- Built an SSIS pipeline to ingest data from SQL Server
- Built Data incremental package for insert and update
- Implemented data validation rules (e.g., null checks, duplicate removal).

Adventure works sales analysis 📄

DEPI

- Performed comprehensive data analysis on the Adventure Works dataset in Power BI
- leveraging DAX to automate dashboard updates, boosting reporting efficiency by 30%.

EDUCATION

bachelors degree of industrial engineering
Faculty of engineering, Zagazig university

07/2021
Egypt

CERTIFICATES

IBM Data Analyst [🔗](#) — Coursera

Data Analytics - Microsoft Power BI Engineer [🔗](#) — Digital Egypt Pioneers

Professional data analyst — machinfy acadamy

Associate Data Engineer in SQL track - DataCamp [🔗](#)

COURSES

Preparing Data for Analysis with Microsoft Excel
Coursera

2023

Extract, Transform and Load Data in Power BI
Coursera

2023

Managing Big Data with MySQL
Coursera

2021

SKILLS

Soft Skills

- Communication Skills
- Teamwork
- Collaboration Problem-Solving
- Time Management.

Technical Skills:

- Coding: Python, SQL
- Data Analysis and Science: Powerbi, Powerquery, Pandas, NumPy, Matplotlib Query, EXCEL, Spreadsheet.
- data engineering: SSIS, SSAS, and SSRS