

# Tawfik Elmetwally

Data Engineer

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[GitHub](#) [LinkedIn](#) [Kaggle](#)

## Summary

Third-year college student with Strong foundation in data analysis concepts seeking a Data Engineer internship. Data engineer skilled in Design Data Solutions to drive decision-making.

## Education

### Faculty of Engineering

Computers and Control Systems Engineering Department

Mansoura University

Sep. 2021 - May 2026

## Technical Skills

### Concepts

Data Warehouse, Data Modeling, Data Architecture, Data Integration, Data Quality.

### ETL Tools

SSIS

### Web Scraping

python

### Databases

Advanced SQL, SQL Server, PostgreSQL, MySQL, Snowflake

### Programming languages

Python, C, C#

### Analysis Tools

PowerBI, Excel, Pandas, Data Visualization, SQL.

### OS & Versions Control

Ubuntu Linux, Git&GitHub

## Projects

### • ETL Telecom Case Study | SSIS

Performed an efficient data processing workflow for a telecom company using **SSIS** to perform transformation, transaction, and extraction the data from sources and store in SQL server database.

### • ETL AdventureWorks Case Study | SSIS

ETL for creating a Data Mart using **SSIS** by transforming the AdventureWorks ERD. This transformation enables robust analysis and reporting to make informed decisions.

### • Web Scraping | Python, Jupyter

Extracting Data from the WAZZAF website about data science jobs and pulling the data into CSV file.

### • Churn analysis Dashboard | PowerBI

Diving deep into Bank Customer Churn data using **DAX** Formulas and **Visualizations** to build the dashboard to develop strategies for retention and What the Bank Should Continue Doing!

### • Customer Churn analysis | python, Plotly

Silver medal notebook on Kaggle. I used **plotly** library and performed **EDA** using **python**, made awesome visualizations and then extracted the observations of each chart to make decisions.

## Courses

- **Associate Data Engineer track** – DataCamp
- **Excel / PowerBI Fundamentals Tracks** – DataCamp
- **Databases** – MaharaTech
- **Applied Data Science Lab** - WorldQuant University
- **SQL Fundamentals Track** - DataCamp