



# Heba Gamal


Data Engineer || ETL Developer || Web Scrapper

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## OBJECTIVE

Motivated Data Engineer with practical experience from my internship at the Information Technology Institute (ITI). Skilled in big data, ETL processes, and optimizing data pipelines. Passionate about turning raw data into insights. Seeking an internship or job opportunity to apply my skills and contribute to impactful projects.

## EDUCATION

**Data Engineering Track, (ITI) Information Technology Institute** 05/2024 – 09/2024  
*Intensive Code Camp, Information Technology Institute (ITI), Ministry of Communications and Information Technology (MCIT), Menoufia Branch.* 

**Bachelor of Engineering - Computer Engineering & Electrical Systems** 2017 – 2022  
*Al Azhar University*  
Grade: Very Good Nasr City, Cairo, Egypt

## TECHNICAL SKILLS

- Python, SQL
- MySQL, MongoDB
- Data Modeling
- SSIS
- Hadoop, Apache Spark
- Git, GitHub
- Linux, Shell Scripting, Docker
- HTML, CSS , JavaScript

## LANGUAGES

Arabic ● ● ● ● ● English ● ● ● ● ●

## PROJECTS

### ETL Projects

#### ETL Pipeline IBRD Loan System

*This project is about building a data pipeline to collect, clean, and display loan data from the IBRD*

- Created a data pipeline to collect, clean, and visualize loan data from an API.
- Used **Python** for data extraction, processed it with **PySpark**, and stored it in **SQL Server**.
- Cleaned and transformed the data with **SSIS**.
- Built interactive dashboards in **Power BI** to display the data.
- Automated the entire process using **Apache Airflow**.

#### ETL\_DWH\_GravityBook

*ETL and Data Warehousing for Book Store*

Technologies Used: SQL, Mysql, SSIS

### Data Analysis Projects

#### Global-Terrorism-EDA

*Global Terrorism EDA using python libraries for data cleaning, transformation, exploration and visualization.*

Technologies Used:

Python, Pandas ,Numpy, Seaborn, Matplotlib

## **Youtube Data Analysis** [↗](#)

*Python Project to Scrape YouTube using YouTube Data API | Analyze and Visualize YouTube data*

Technologies Used:

Python, YouTube Data API, Pandas, Seaborn, Matplotlib

## **Image Classification and Analysis** [↗](#)

Description:

Developing a simple model to categorize the images into specific categories.

Providing insights into the main visual features driving the classification.

Summarizing any new trends or categories that emerge from the analysis.

## **New York Airbnb EDA** [↗](#)

This project performs Exploratory Data Analysis (EDA) on New York Airbnb data to uncover trends and patterns in rental listings.

Technologies Used:

Pandas, Numpy, Matplotlib, Seaborn for cleaning, visualization, and analysis