

Esraa Ahmed Ibrahim

I am a passionate computer science graduate seeking a Data analyst or BI opportunity.



GIZA-Egypt

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Professional Experiences

• Intern at **BBi** Consultancy

Aug 2022 - Oct 2022

I joined this internship as a Data Management Engineer

I've learned through this journey:

- SQL, PL-SQL
- Data Warehouse Concept
- BI Tools (Power bi – Tableau)
- Data Integration Tools (Informatica Cloud)

Education

• Problem-solving training – FCICB Course

2020-2021

A competitive programmer who learns problem-solving and thinking techniques in addition to data structures and algorithms analysis using C++ and Python programming language.

• Faculty of Computers and Artificial Intelligence - Helwan University

2018 - 2022

- Graduation Year: July 2022, GPA: 3.19 / 4.0
- Overall Grade: Very Good, Graduation Project Grade: A+

Projects

• GLOBAL SUPER-STORE DASHBOARD Using Power-BI and Tableau

Created a superstore dashboard showing the sales, profit, profit ratio, revenue, and quantity in various years of a superstore.

The sample dataset used is superstore.csv.

• SALES DASHBOARD (KAS & UAE Report):

The project was completed in the following steps:

After getting the data and understanding what is required, the data has been cleaned to be valid for analysis by cleaning it from the following:

- 1) Errors
- 2) Null values
- 3) Inconsistency
- 4) Duplicated values

Then I analyzed the data, answered the questions, and designed an interactive dashboard based on design thinking using Power BI.

Finally, I test this dashboard by Writing Test Script Using SQL.

• MONITORING OPERATION DASHBOARD ON INTEGRATION LOG-FILES Using Tableau

What I did in this project:

- Calculate Completed Tasks, Warning Out Tasks, Warning in Tasks, Failed Tasks, and Hanging Tasks for the last day, last month, last Quarter, and last year.
- Calculate No. of Written Records.
- Calculate the % Of Avg DIFF between the last day and the last 4 days.
- Calculate Total Execution Duration.
- Best and Worst 5 Tasks by Execution Time.

- **INVESTIGATE A DATASET [NO-SHOW APPOINTMENTS]:**

This Dataset Collects Information From 100k Medical Appointments in Brazil and Is Focused on The Question of Whether or Not Patients Show Up for Their Appointment.

What I did in this project:

data wrangling, data cleaning, and Exploratory data analysis by answering multiple research questions and Conclusions

- **TMDB 5000 MOVIE DATASET ANALYSIS:**

This data set contains information about 5000 movies collected from The Movie Database (TMDB), including user ratings and revenue.

What I did in this project:

- Identify Business Tasks, Perform Data Wrangling and filter and cleaning data, Perform EDA and Analyze data using statistical techniques, Identify, analyze, and interpret trends or patterns in the data set, create effective data visualizations, Create conclusion and summary statistics

- **ANALYSIS OF BIKE-SHARE DATA IN THE US:**

The project analyzes the data from Bikeshare systems and answers many important questions like the most common trip station or the most day to travel or month and the most gender using python.

- Implement Types of Slowly Changing Dimension (type 0, type1, type 2, type 3, type 6), Integrate Twitter Data And Implement mapping of Star Schema using Informatica cloud.

Tools and Languages

- Jupiter notebook, MS. Excel, Tableau, and Power BI for visualizations.
- Data Analysis libraries: NumPy, Pandas, Matplotlib, Seaborn.

Certificates

- **Graduated from “Data Analysis Professional “Nanodegree offered by FWD Egypt & Udacity**
 - Develop programs in python using NumPy and Pandas Explore Bikeshare project
 - Investigate a dataset using Python and analysis packages Investigate a Dataset Project
- **Graduated from “Data Analysis Challenger “from FWD Egypt & Udacity**
 - Calculate summary statistics using a spreadsheet.
 - Create data visualization using spreadsheets.
 - Calculate key business metrics in financial analysis and interpret values.
 - Forecast financial metrics using scenario analysis.
- **Mahara-tech (ITI Platform)** Database Concepts, ERD, SQL, Views & Indexes, Normalization