

Ahmed Abdelmonem Abdelhalim

Junior Data Analyst & BI Developer

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Summary

Data Analyst & BI Developer with a strong foundation in Computer Science. Passionate about providing meaningful business insights and supporting informed decision-making. Proficient in **SQL, Python, Excel, Power BI and BI tools to extract, transform, load and analyze data**. Skilled in creating **interactive dashboards** and reports that deliver actionable insights to stakeholders.

Education

Bachelor of Computers and information, Computer Science major **MTI University** **Sep 20 | July 23**

- **Graduation Project:** Digital Image Restoration Using Regularization Filter using Python.

Experience

Data Analyst Intern **Agouza Rehabilitation&Rheumatology Center(ARRC)** **Dec 24 | Jan 25**

Technologies: (Python,Excel,Power BI)

- Patient Satisfaction Survey **Analysis** of Outpatient Services.
- I created a project to analysis patient satisfaction survey of outpatient services with **python**.
- The program read paper from **scanner** then transform it into values then I made analysis on every question in paper
- than Display **Yes** and **No** Percentages. Help **providing meaningful insights** about patients satisfaction.

Projects

[Preview Portfolio](#)

(1) E-commerce Database Management System: Using SQL Server, SSIS, SSAS & SSRS

- Created a (**DBMS**) project, including an Entity-Relationship Diagram (**ERD**) and Mapping.
- Used **SQL** for implementing **OLTP**, and **Datawarehouse OLAP** components.
- Managed challenges related to **data integration**, scalability, and complex data transformations.
- Used (**SSIS**) for seamless data extraction, transformation, and loading processes.
- Used (**SSAS**) to make **cubes** and (**SSRS**) to provide intuitive **insights** and **reports** for end-users.

(2) Brazilian eCommerce Analysis Project Using Power BI: Developed an interactive Power BI dashboard to analyze eCommerce data, uncovering insights into customer behavior, sales performance, and product trends. [Preview Project](#)

(3) Supply Chain Analysis Project Using Power BI: Developed an interactive Power BI dashboard to analyze Supply Chain data, analyze procurement, inventory, and distribution data. [Preview Project](#)

(4) Nespresso CRM Analysis Project Using Power BI: Developed an interactive Power BI dashboard to analyze CRM data, help in enhancing sales strategies and making data-driven decisions. [Preview Project](#)

(5) Human Resources Analysis Using Power BI: HR Analysis using Power BI to extract actionable insights from HR data, enabling organizations to make data-driven decisions on workforce trends and employee performance. [Preview Project](#)

Technical Skills

- **Technologies:** (SQL Server, Visual Studio, Power BI, Excel, PyCharm, Subline and Project Jupiter)
- **Data Analysis & BI Tools:** Power BI, Excel, DAX, SSAS
- **Programming Languages:** SQL, Python (Pandas, NumPy, Matplotlib, Tkinter, OpenCV), C++
- **ETL & Data Warehousing:** Data Sources, SSIS, Power Query, Data Warehouse Modeling
- **Database Management:** SQL Server, T-SQL, Database Design, SQLAlchemy & SQLite
- **Web Scraping:** HTML & CSS, Python (BeautifulSoup, Requests, Selenium WebDriver)
- **Software Development:** Object-Oriented Programming (OOP), GUI (Python Tkinter)

Certificates

- Data Literacy Essentials - **SAS Institute**
- Artificial Intelligence (60 hrs.) - **ITI**
- 100 Days of Code: The Complete Python Pro Bootcamp for 2023 – **Udemy**
- Database and SQL Fundamentals - **ITI**