

Galal Ewida

Data Analyst - BI Developer

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EDUCATION

Bachelor of Computer Engineering, Menoufia University

Sep 2019 – Jan 2024

- College of Electronic Engineering **Data Science Program**
- Graduation Project: Talented recruitment and skills analysis system (**Excellent**)

Egypt

PROFESSIONAL EXPERIENCE

Data Scientist (Professional Training), ALX

May 2023 – May 2024

- Generated and visualized pivot tables in **Excel**. Enhanced queries for efficient data retrieval from databases.
- Developed **Power BI** dashboards and utilized **ETL** tools for data cleaning and pipeline creation.
- Engineered machine learning models using **Python**, achieving **93%** accuracy in **NLP** tasks.
- Leveraged **AWS** cloud services to enhance the scalability and reliability of data solutions.

Hybrid

Instructor, CodersAC

Jan 2020 – Dec 2023

- Trained over **3,200** students in courses including C/C++, **Python**, data structures and algorithms, OOP, database, and **SQL**.

Cairo, Egypt

Business Intelligence (Professional Training), ITI

Apr 2022 – Jun 2022

- Designed and adjusted **databases**, optimizing data structures for enhanced performance.
- Created interactive dashboards using Power BI and Tableau, resulting in a **20%** increase in data insight accessibility.
- Implemented advanced data warehousing techniques, improving data storage efficiency by **10%**.

Remote

PROJECTS

Bike Sharing Analysis, Time series forecasting

- Conducted in-depth data analysis on weather and **time factors** affecting bicycle rentals.
- Utilized **ARIMA** models for accurate forecasting and created informative plots with Matplotlib and Seaborn.

Data Visualization and Reporting

- Created interactive dashboards with **Power BI**, enhancing data visualization and decision-making processes.
- Connected to databases and CSV files to produce compelling visualizations that improved report comprehensibility.

Talented recruitment and skills analysis system, Graduation project

- Scraped job postings using **Selenium**, creating a comprehensive dataset for analysis.
- Achieved a **92%** accuracy rate with a **BERT** model for skill extraction, significantly enhancing the recruitment process efficiency.
- Developed and managed **Flask APIs** and databases, ensuring seamless user login and search functionality.

Dialogflow chatbot, Indian Restaurant Chatbot

- Developed a **chatbot** for managing customer orders, displaying menus, and tracking orders using **MySQL**, **Dialogflow**, and **Python**.

Absenteeism at Work

- Analyzed absenteeism data to identify key trends and factors.
- Applied Bayesian methods and transformation techniques like Box-Cox for **data normalization**, leading to more accurate analyses.


SKILLS

Data Visualization (PowerBI, Tableau) | **Databases** (SQL, MySQL, SQLite) | **ETL Tools** | **Excel** | **Python** (Transformers, Sklearn, TensorFlow, NLTK, Spacy, Pandas, Numpy, Matplotlib, Seaborn, Flask, Fastapi, Selenium, BeautifulSoup, SQLAlchemy)
| **Other programming languages** (C, C++ also familiar with C#) | **Software engineering** (OOP, Data Structures, Algorithms)
| **Version control** (Git/GitHub) | **Mathematics** (statistics, probability, Linear algebra, calculus)

COURSES

The Data Analysis Workshop(Book), <i>PACKT</i>	Jan 2024 – present
Natural Language processing with Transformers(Book), <i>O'Reilly</i>	Sep 2023 – Dec 2023
Practical Natural Language Processing (Book), <i>O'Reilly</i>	May 2023 – Sep 2023
Practical Machine Learning for Data Scientists, <i>Udemy</i>	Feb 2023 – Apr 2023
problem solving, <i>PST (coach academy)</i>	May 2019 – Aug 2019

ACTIVITIES

Content creator, <i>Human Learning (YouTube channel)</i>  <ul style="list-style-type: none">• Engaged in practical data science and machine learning projects.• Simplified concepts for newcomers and facilitated learning through real-world projects.	Sep 2023 – present
Egyptian Collegiate Programming Contest (ECPC) <ul style="list-style-type: none">• Participated in the Problem Solving Using Algorithmic Programming Languages competition, achieving 52nd out of 450 teams.	Nov 2019

LANGUAGES

- Arabic
- English