

# Galal Amr Ewida

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## Education

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### 1. Faculty of Electronic Engineering, Menofia University

- Major: Computer Science & Data science and analysis

### 2. (ITI) track Business analysis the course was for a 2 Month. Totaling 120 hours

## Experience

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### - Instructor @ Coders Ac

[Nov 2020- OCT 2023] [Coders](#)

I have trained more than **1,500** students over the course of 3 years on the basics of programming, problem solving, and materials related to computer engineering. I have dealt with several students from different universities

### - Content creator @ Human Learning (channel in YouTube)

[Jan 2023 – Present] [Human Learning](#)

It is an educational channel, one of which simplifies information for young people who are new to the field of **data science**, by explaining **practical projects related to the market**, understanding cases, and how to deal with different scenarios. By explaining the Python language and normalizing statistical concepts and machine learning models

## Project

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### • Advanced Regression and deployment, House price prediction | [Link](#)

In this project, different methods and techniques were used to forecast the price of houses, where the data was 9 Features, including the Numerical, and the categorical one. **And I used in this project;**

- **Python, (EDA), Data Preprocessing, Feature Engineering, several models for regression (LR, KNN, XGBoost...) Grid Search Cross-Validation | Random Search Cross-Validation, Models Tuning, Heroku Hosting, Flask**

### • Bike Sharing Analysis and Time series | [Link](#)

I analyzed data for a bicycle rental company for citizens in Colombia. The data contained some details that helped me to know the behavior of the passengers and determine their buying behavior and the times they tend to rent, which prompted me to use tools that help me improve the look at the data and extract from it benefits that benefit **And I used in this project;**

- **Python, Statistics, Data Visualization, Data preprocessing, Data cleaning, Time Series analysis, Business knowledge**

### • Indian Restaurant ChatBot | [Link](#)

It is a ChatBot that helps customers register their orders, review these orders, and know their total account and payment method. **And I used in this project;**

- **Dialogflow, Database (MySQL), Bootstrap, APIs, FastAPI, Python**

### • Absenteeism at Work | [Link](#)

In this project, I had data on employee absenteeism at a company in Brazil. The aim is to know those who are absent from work, to know the reasons for absence, and to determine the relationship between the absentees in terms of age and health, whether they smoke or not, and other things. The project relied heavily on probabilities because of the inconsistency of all the data and for data analysis **it was used**

- **Python, Statistics, Probability | Kolmogorov-Smirnov tests for equality of probability distributions | Box-Cox and Yeo-Johnson transformations - Data Visualization | Data preprocessing | Data cleaning | Visualization**

## Skills

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- **Programming** ( Python, R, C/C++ also familiar with C# )
- **Database** ( SQL, MYSQL )
- **Data visualization** ( PowerBI, Excel, Google Sheet, also familiar with Tableau)
- **Backend** (FastAPI, Flask)
- **Web Scraping** (BeautifulSoup,Selenium)
- **Machine learning** (Supervised, Unsupervised)
- **Deep learning** (TensorFlow)
- **NLP** (Spacy, NLTK, Dialogflow)
- **Mathematics** (Statistics , Probability , Linear Algebra , Calculus ,optimization)
- **Data Skills** (Data Visualization , Data prepressing , Data cleaning , Storytelling )
- **Data Structure** ( Tree, Linked list, Stack, Queue [Check my code](#))
- **Algorithms** (insertion, selection, bubble, merge, quick , binary , sequential [Check my code](#) )
- **Problem solving** [Check my code](#)
- **Git | GitHub**
- **SSIS , SSAS , SSRS**

## ACTIVITIES

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- Contestant at the 2019 ECPC - Egyptian Collegiate Programming Contest (ECPC) – rank 50
- Country level ICPC contest at the 2018 MCPC – Menofia collegiate programming contest