Galal Amr Ewida

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Education

- **Bachelor of Computer Engineering,** Menoufia University **2019 – 2024**
- Faculty of Electronic Engineering, **Data science and Machine Learning.**
- **ITI – Business Intelligence** summer internship **120 hrs.**

Experience

- **Instructor @ Coders academy** Coders

  Over the course of **three** years, I have taught over **1,700** students the fundamentals of programming, problem-solving techniques, and computer engineering-related subjects.

- **Content creator @ Human Learning (YouTube channel)** Human Learning

  This educational channel simplifies complex concepts for students who are not familiar with data science by presenting case studies, real-world projects connected to the field.

Projects

- **Multi Regression techniques and Deployment | Link**

  Various approaches and strategies were employed in this study to predict the price of homes, 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 performed data analysis for a Colombian citizen bicycle rental company. Understanding passenger behavior, what they rent, what they buy led me to employ tools to enhance my ability to derive useful insights from it.

  And I used in this project: **Python, Statistics, Data Visualization, Data preprocessing, Data cleaning, Time Series analysis, Business knowledge**

- **Indian Restaurant Chatbot | Link**

  This Chatbot assists users with order registration, order reviews, account balance inquiries, and payment methods. **And I used in this project**: **Dialogflow, Database (MySQL), Bootstrap, APIs, FastAPI, Python**

- **Absenteeism at Work | Link**

  I used data about employee absenteeism. Finding out who is missing from work, reason of absence, and other factors. Due of the inconsistent nature of dataset, the project focused on probabilities. **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

- Programming (Python, R, C/C++ also familiar with C#)	- ML (Supervised, Unsupervised)
- Database (SQL, MYSQL)	- Deep learning (Tensorflow, Pytorch)
- Backend (FastAPI, Flask)	- NLP (NLTK, Spacy, Dilogflow)
- Web Scraping (Beautiful Soup, Selenium)	- PowerBI and Tableau
- Data Structure	- Excel and GS
- Algorithms	- Mathematics
- GIT	GitHub	- Data Skills (Data Visualization, Data prepressing)

ACTIVITIES

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