Tawfik Elmetwally

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GitHup LinkdIn Kaggle

Data Scientist

Summary

Passionate Data Scientist, 3X Kaggle Expert, with a track record of delivering actionable insights through advanced analytics and machine learning. I am looking for an internship to gain real-life experiences and expand my knowledge.

Education

Faculty of Engineering — *Mansoura University*
Computers and Control Systems Engineering Department — *Sep. 2021 - May 2026*

Technical Skills

Statistics & Math
Descriptive Statistics, Data Distributions
Hypothesis testing, Linear Algebra

Frameworks
Sklearn, Pandas, Numpy, Plotly,
Matplotlib, TensorFlow, OpenCV

Web Scraping
Python

Data Analysis
PowerBI, Excel, Pandas,
Data Visualization, SQL.

Programming languages
Python, SQL, C, C#

Databases
SQL Server, MySQL, PostgreSQl

Machine Learning & Deep Learning
Regression tasks, Classification tasks
Clustering, Computer Vision, CNN,
Image Classification

Versions Control
Git&GitHup

Projects

- **Rock-Paper-Scissor** | Image Classification
  *I used **TensorFlow** Framework and Training **CNN** model to build a model for image classification problem. The model scored accuracy of **98.4%.***

- **MINST-digit recognizer competition** | Image Classification
  *I used my skills in **DL and Computer Vision** to build CNN model which correctly identifies digits from a dataset of tens of thousands of handwritten images. My model scores **99.38%** accuracy and **silver** medal.*

- **Cost Prediction-IEEE Victoris competition** | Regression task
  Given the varied sources of data, I merged training dataframes to create comprehensive models capable of predicting costs. I applied powerful data cleaning techniques and feature engineering to create new effective features. Finally, I *got **8th** out of 31 ranks.*

- **Web Scraping** | Python, Jupyter
  Extracting Data from the WAZZAF website about data science jobs and pulling the data into CSV file.

- **Customer Churn analysis** | python, Plotly
  *Silver medal notebook on Kaggle. I used **plotly** library and performed **EDA** using **python**, made awesome visualizations and then extracted the observations of each chart to make decisions.*

Courses

- **Convolutional Neural Networks** | Coursera
- Computer Vision | Kaggle
- Excel / PowerBI Fundamentals Tracks | DataCamp
- IEEE Victoris 2.0 Data Science | IEEE Mansoura
- Applied Data Science Lab | WorldQuant University
- SQL Fundamentals Track | DataCamp