Ahmed Ashraf Khalil

Data Scientist

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Profile

Passionate Data Scientist with expertise in the entire data lifecycle, from analysis to modeling, Python, SQL, and BI tools for actionable insights. Dedicated to optimizing business performance through data-driven decision-making and continuous learning in the field of Data Science.

Education

Bachelor of Computer Sceince, *New Cairo Academy*   2019 – 2023
- General Grade : Good   Cairo, Egypt
- **Volunteered** to teach students about Data Science Basics
- **Awarded** the best scientific show in the science club meeting sponsored by the Ministry of higher education

NanoDegree in Advanced Data Analysis (ITIDA), *Udacity*   2020
- **issued** by the Ministry of Communications and Information Technology
- **Mastered** Data Analysis skills with Visualization techniques, Data investigation, A/B-test, and supervised machine learning models

Skills

Programming Languages   **Programming IDE**
Python,SQL,Git   Jupyter,Pycharm,Spyder,Vscode

Cloud technologies   **Machine learning**
Google Cloud Platform,Microsoft Azure   Sklearn,Tensorflow,Keras,Pytorch,HuggingFace

Data Analysis
PowerBI, microsoft excel,forecasting, Data
wrangling,interactive dashboards

Projects

Realestate Data Analysis Desktop Application ⧉
Desktop Application to collect and analyse web scrapped data from Property Finder EG and create pdf report of rent, buy and commertial properties with defining number of pages and a click of a button using **selinum**, **Sqlite**, **seaborn**, **matplotlib**, **pandas**, **PyQt5**

volatility analysis and forecasting ⧉
volatility forecasting using the Generalized Autoregressive Conditional Heteroskedasticity (GARCH) model from analysis and data preparation to modeling and optimization

Realestate web dashboard ⧉
real state analysis web dashboard and hosting it publically and changing the link to a QR code using **Plotly Express** and **Dash** with python.

Market basket Analysis
Market basket analysis and visualization using python applying **Apriori** model to recommend the relevant products to the selected product.

customer churn analysis and prediction ⧉
Analyzing and predicting Customer churn data and visualization using **pandas**, **seaborn**, **matplotlib**, **Sklearn** and **XGboost** with python

Professional Experience

Data Scientist, *Epsilon AI Institute*   2021
- **Spearheaded projects** as the inaugural Data Science at EpsilonAI.   Nasr City, Egypt
- Managed end-to-end project lifecycles, ensuring seamless execution.
- Simplified complex **research papers** for public consumption on Epsilon's Facebook and Linkedin pages, providing links for further reference.

Awards

30 days of ML on kaggle 40th place , top 1%

UmojaHack first challenge in Egypt: Running Distance Accuracy Challenge 6th place on zindi

Courses

Machine Learning A-Z (Udemy)

Python 3 Programming Specialization (University of Michigan)

Applied Machine Learning in Python (University of Michigan)

Machine learning (Stanford University)

Exploratory Data Analysis for Machine Learning (IBM)

Machine learning specialization (Epsilon AI Institute)

Demystifying AI/ML/DL (AWS)

The Data Science Course 2018 Complete Data Science Bootcamp (Udemy)

Data Analysis & Visualization Python Excel BI Tableau (Udemy)

Languages

- Arabic
- English