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| **Osama Fayez Oun** | | | | |
| Marcador[Sobre](mailto:Osamaoun997@gmail.com)[A picture containing black, darkness  Description automatically generated](https://www.kaggle.com/osamaoun)[LinkedIn logo - Free logo icons](https://www.linkedin.com/in/osama-fayez/)Military Icons & Symbols Cairo, Egypt [Osama Fayez](https://www.linkedin.com/in/osama-fayez/) Military state: Completed  Auricular [osamaoun997@gmail.com](mailto:osamaoun997@gmail.com) [Osama Fayez](https://www.kaggle.com/osamaoun)  [A picture containing black, darkness  Description automatically generated](https://github.com/osamaoun97) +2 0106 7638 803 [Osamaoun97](https://github.com/osamaoun97) | | | | |
| **EDUCATION** | | | | |
|  | | | | |
| **Faculty of Graduate Studies for Statistical Research**  M.Sc. in Data Science student  **Information Technology Institute (ITI)**  9-Months Professional Diploma – AI & ML Engineering Track   * **[A picture containing black, darkness    Description automatically generated](https://github.com/Aylore/Arabic-Voice-Interface-for-City-Operation-Center)**Graduation project: [Arabic Voice Interface for City Operation Centre](https://github.com/Aylore/Arabic-Voice-Interface-for-City-Operation-Center) – [Giza Systems](https://gizasystems.com/) * Arabic & English virtual assistant using Rasa Chat Bot and Lip-Sync using Wav2lip. * Used Speech services from Google and Azure, Integration using Django framework. | | **Cairo University**  *Feb 2024 – Present*  **Mansoura Branch**  *Oct 2022 – July 2023* | | |
| **Faculty of Petroleum and Mining Engineering**  Bachelor of Metallurgical and Materials Engineering   * Grade: Very good | | **Suez University**  *Sep 2015 – Jun 2020* | | |
| **PROFESSIONAL EXPERIENCE** | | | | |
|  | | | | |
| **Software engineer - Machine learning at Giza Systems**   * Processing, cleansing, and verifying data integrity used for analysis. * Selecting features, building, and optimizing pipelines using ML techniques. * Developing and reviewing low-level software designs, ensuring adherence to coding standards and architectural principles. * Writing automated build, execution, and deployment scripts for software artifacts.   **Data Scientist at Banque Misr**   * Collaborating within cross-functional Agile teams to drive end-to-end data projects. * Developing statistical models and ML algorithms to solve complex business problems. * Projects: * **Early warning system**: outlines credit strategies for customers based on risk level to enhance risk management practices. * **Customer 360**: A comprehensive view of customer data across all bank domains * **Behavioural segmentation**: categorizes customers based on demographics or behaviour to enable targeted marketing and personalized services.   **Instructor at Information Technology Institute (ITI)**   * Giving lectures for AI & ML track   **Marketing Research Specialist at Elmarakby Steel**   * Market Research and Data Collection to feed the analysis process. * Reporting and visualization through building interactive dashboards and presentations. | | | | *April 2024 - Present*  *Aug 2023 – April 2024*  *Part time*  *Mar 2022 – Oct 2022* |
| **PROJECTS** | | | | |
| [A picture containing black, darkness  Description automatically generatedForecasting Sales for Rossmann Stores](https://www.kaggle.com/code/osamaoun/rossmann-store-sales-eda-arima-prophet-lgbm) **[(Time Series)](https://www.kaggle.com/code/osamaoun/rossmann-store-sales-eda-arima-prophet-lgbm)**   * EDA and forecasting using Simple methods, TS, and ML models. * MSTL, Arima, SARIMAX, FB Prophet, LGBM.   [A picture containing black, darkness  Description automatically generated](https://github.com/osamaoun97/Style-Transfer-project)Neural [Style Transfer](https://github.com/osamaoun97/Style-Transfer-project) **[(CV)](https://github.com/osamaoun97/Style-Transfer-project)**   * [Im](https://github.com/osamaoun97/Style-Transfer-project)plementation of neural style transfer using TensorFlow on VGG19 model.   **[A picture containing black, darkness  Description automatically generated](https://github.com/Aylore/Arabic-Dialect-Classification)**[Arabic dialect classification](https://github.com/Aylore/Arabic-Dialect-Classification) **(NLP)**   * Applying word embedding, ML, and DL algorithms including Transformers like AraBert.   **[A picture containing black, darkness  Description automatically generated](https://www.kaggle.com/code/osamaoun/u-net-implementation-and-usage-on-lungs-mr-images)**[Segmentation of lungs MR-images using U-NET](https://www.kaggle.com/code/osamaoun/u-net-implementation-and-usage-on-lungs-mr-images) **(CV)**   * Implementation of U-net and segmentation with 98% IOU score.   **[A picture containing black, darkness  Description automatically generated](https://www.kaggle.com/code/osamaoun/chest-x-ray-classification-visualization-of-conv)**[Chest X-ray Classification and CNN layers Visualization](https://www.kaggle.com/code/osamaoun/chest-x-ray-classification-visualization-of-conv) **(CV)**   * Fine-tuning Xception model and applying GradCAM to Investigate Network Predictions.   **[A picture containing black, darkness  Description automatically generated](https://github.com/osamaoun97/Data_visualisation_project_ITI)**[Netflix Dashboard](https://github.com/osamaoun97/Data_visualisation_project_ITI) **(Data analysis)**   * Data pre-processing and creating an Interactive dashboard using Plotly and Dash | | | *Jun 2023*  *May 2023*  *May 2023*  *May 2023*  *May 2023*  *Apr 2023* | |
| **COMPETITIONS** | | | | |
| **[A picture containing black, darkness  Description automatically generatedAqueous Solubility Prediction](https://www.kaggle.com/competitions/aqueous-solubility-predictioin/leaderboard)**  **1st** place out of 13 teams.  **[A picture containing black, darkness  Description automatically generated](https://www.kaggle.com/competitions/diabetes-readmission-prediction-i43/leaderboard)**[**Diabetes Readmission Prediction**](https://www.kaggle.com/competitions/diabetes-readmission-prediction-i43/leaderboard)  **1st** place out of 20 teams.  **COURSES** | **ITI AI track competition 2**  *May 2023*  **ITI AI track competition 1**  *Mar 2023* | | | |
| |  |  | | --- | --- | | [A picture containing black, darkness  Description automatically generated- ML for Production (MLOps) specialization - **Deeplearning.ai**](https://www.coursera.org/account/accomplishments/specialization/P2L33HBYXCN8) (4 courses)  **[A picture containing black, darkness  Description automatically generated](https://www.coursera.org/account/accomplishments/specialization/VRZ5WPBW4459)**- [Math for ML & DS specialization - **Deeplearning.ai**](https://www.coursera.org/account/accomplishments/specialization/VRZ5WPBW4459) (3 courses)  **[A picture containing black, darkness  Description automatically generated](https://www.coursera.org/account/accomplishments/specialization/QS898QNVPZVY)**- [Deep Learning specialization - **Deeplearning.ai**](https://www.coursera.org/account/accomplishments/specialization/QS898QNVPZVY) (5 courses)  [A picture containing black, darkness  Description automatically generated](https://www.credly.com/badges/5431c6e2-edfa-482e-8db8-58090268e015/public_url)- [Applied Data Science Lab - **WorldQuant University**](https://www.credly.com/badges/5431c6e2-edfa-482e-8db8-58090268e015/public_url) (8 projects)  **[A picture containing black, darkness  Description automatically generated](https://www.coursera.org/account/accomplishments/specialization/8SFWLXNRLCMY)**- [Machine Learning specialization - **Deeplearning.ai**](https://www.coursera.org/account/accomplishments/specialization/8SFWLXNRLCMY) (3 courses)  **[A picture containing black, darkness  Description automatically generated](https://www.datacamp.com/statement-of-accomplishment/track/f7d7a9ceb10d8eeb840d0d9bcc53708db9bf103d)**- [Python Fundamentals Track - **Datacamp**](https://www.datacamp.com/statement-of-accomplishment/track/f7d7a9ceb10d8eeb840d0d9bcc53708db9bf103d) (4 courses)  **[A picture containing black, darkness  Description automatically generated](https://www.datacamp.com/statement-of-accomplishment/track/f455423de94c182721cb2596bced9033337fa6e0)**- [SQL Fundamentals Track - **Datacamp**](https://www.datacamp.com/statement-of-accomplishment/track/f455423de94c182721cb2596bced9033337fa6e0) (5 courses) | *Jul 2023*  *Jun 2023*  *Apr 2023*  *Mar 2023*  *Feb 2023*  *Jul 2022*  *May 2022* | | | | | |
| **SKILLS** | | | | |
| * **Programming Languages** Python, C, C++ * **libraries** TensorFlow, Pytorch, Numpy, Sklearn, Pandas, Matplotlib, Seaborn, Plotly, Transformers * **Tools and technologies**  Fast Api, SQL, Power BI, Pyspark, Linux, Git, Rasa, Docker, Django, Airflow, Flower Framework * **Soft Skills** Leadership, Negotiation, Communication * **Languages**  Native in Arabic, very good in English | | | | |