

# AHMED SAKR

## ML Engineer

### PERSONAL DETAILS

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Tel +201018191872 | +201127827959  
LinkedIn <https://www.linkedin.com/in/ahmed--sakr/>  
Github <https://github.com/saaakeer>  
Nationality Egyptian  
Military Status Completed

### WORK EXPERIENCE

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Jan 2023 - current **Blue Development , Cairo, Egypt**  
- Face recognition , Speech to Text , Chatbot , (Data Scientist and AI Engineer )  
Text to Speech , Deep Fake and Wav2lip .

Feb 2023 - current **Digital HUB with Telecom Egypt ( we ) , Cairo, Egypt**  
- Artificial Intelligence and ML Training (AI Engineer)  
- Big Data and Data Analytics Training

Jan 2022 - Jan 2023 **Minapharm Pharmaceuticals , Cairo, Egypt**  
- Problem Solving - Machine Learning - NLP (ML Engineer)

Jan 2023 – Feb 2023 **Orange , Cairo, Egypt ( Internship )**  
- Image processing with **CUDA**. (ML Engineer)

Apr 2021– Jan 2022 **Information Technology Institute (ITI), Artificial Intelligence( Diploma ) , Cairo, Egypt**  
**Concepts:** Machine Learning | Computer Vision | NLP . (AI Engineer)

### EDUCATION

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Apr 2021– Jan 2022 **Information Technology Institute (ITI), Cairo, Egypt .**  
Artificial Intelligence( Diploma ) (9-months )

Oct 2015– Jun 2019 **Faculty of computers and information, Menoufia university, Egypt .**  
**Degree:** Bachelor of Computer Science Information System .

### TECHNICAL SKILLS

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#### Core Skills

**Languages:** Python , C++ , SQL server , XML .

**Data Science:** Data Preprocessing , data extraction, Dimensionality Reduction , Classification and Clustering.

**Computer Vision:** Face identification and verification (FaceNet - Seamans net), Object Detection (YOLO),  
Image Classification (VGG - Inception Net - ResNet - DenseNet).

**NLP :** BOW , Word Vector , Recommender System , Sequence Models ,Seq2seq Models , Transfer Learning .

**Tools:** MongoDB , PostgreSQL , powerBI .

**Programming paradigm:** Object-oriented programming (OOP) and Functional Programming (FP)

**Deep Learning Libraries:** Keras and PyTorch .

**Data Science Libraries:** OpenCV ,Pandas , Scikit-learn , Numpy , Seaborn , Matplotlib and plotly .

#### Bonus Skills

C# , Java, Big Data, Cloud ( AWS , Azure ) , ETL , Hadoop , NoSQL , Spark , R , Data Visualization .

## PROJECT EXPERIENCE

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- Jan 2023      **AVATAR Interact .**  
**Project Description:** using Face Recognition , Speech to Text, Chatbot , Text to Speech , Deep Fake and Wav2lip I create software AVATAR interact with Alzheimer's patients .  
**Role :** Team leader .  
**Role Description :** Implement Model
- 2022      **Video Captioning . (ITI Academic Graduation )** [\[link\]](#)  
**Project Description:** Architecture using ( keras ) | this model is learned jointly (Video features and description) and end-to-end based on Sequence-to-Sequence Paper using the MSVD dataset | Video features extracted by pre-trained Efficient-Net | using Glove embedding for word embedding.  
**Role :** Team leader .  
**Role Description :** Data preprocessing and Build Model .
- 2021      **Tailored CNN model for Covid Dectection,**  [\[link\]](#)  
**Project Description:** Training Deep CNN architecture using PyTorch with the Following details: Applying a depth wise separable kernels and spatial separable kernels and Applying Dense Residual Connections and batch Normalization. A benchmark QaTa-COV19 dataset is used for training and testing.  
**Role :** Project supervisor.  
**Role Description :** Data preprocessing and Build Model .
- 2021      **Face news Detection,**  [\[link\]](#)
- 2019      **Mobile Game by Augmented Reality .( Academic Graduation )**  
**Role :** Team leader .      **Role Description :** Implement AI part .

## COURSES

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- Jan 2022      **Deep Learning Specialization, Coursera .**
- Oct 2021      **Data Scientist with Python, DataCamp .**
- Oct 2021      **Cloud Foundations, AWS .**

## SOFT SKILLS

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- Quick to learn & Time management.
- Self-confident & well motivated to work.
- Teamwork.
- Ability to work under pressure.
- Presentation skills.

## LANGUAGE

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- **Arabic:** Native Language.
- **English:** Advanced