

karim abdunabi

Machine Learning Engineer

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in <https://www.linkedin.com/in/karim-abdunabi-1a99851b9?>

📄 <https://github.com/karim-abdunabi>

k <https://www.kaggle.com/karimabdunabi/account>



about me

Highly sociable, detail oriented, and patient with very Good mathematical and statistical knowledge. I am proficient at data extraction and analysis , building a machine or deep learning models, especially in computer vision and NLP.



Professional Experience

09/2022 – 11/2022

Ai intern at Intern'Instant

Responsibilities:

Implement all tasks assigned by the Intern'Instant

Technologies:

Python fundamental with importance library for AI
machine learning , deep learning , data science , web scraping



Education

2020 - 2024

Bani swief , Egypt

Computer science & Artificial Intelligence

Bani swief university

GPA 3.01 (Very Good)



Projects

► Accident Prediction System (GRADUATION PROJECT)

Role: Team Leader

Lead the team, and score a 97% (A+ degree)

Successfully analyzed the project requirements

Read papers and compare between architectures to use the best

Used data preprocessing techniques to make data ready and compatible with the model

Build Auto Encoder model

Build CGAN model

Linked the two phases of the project (future frame prediction & classification phase)

► Convert Orange To Apple Using CYCLE GAN

A good example of image to image translation idea using retrospective cycle GAN as a core model

► Background Subtraction Using MOG2 Pre Trained Model On Videos

Work on videos separated into its frames to Remove the background and keep the foreground as a white pixels to present moving objects, using MOG2 background subtractor and use the median filter to reduce the noise.

- **OCR Using Simple RNN Model**
Recognize handwritten digits using simple RNN model
- **Cartoonify The Image**
Turn an image to its cartoon format using image processing techniques.
- **Classification Arabic NLP**
Scrap data from a website and apply preprocessing techniques and auto correction then classify cleaned data using RNN model
- **CNN_model**
classification with cnn model in 3 class cat , dog , monkey
- **Twitter_sentimental_analysis**
scraping data(twits) and using deep learnign model to classification them bad and good
- **Skin_cancer_detection_project**
scraping data and make detection by using deep learning classification to Predicting skin cancer
- **Face_detection**
example for face and hand and eyes detection with open cv

Skills

Soft Skills

Team Work, Leadership, Presentation Skills, Self Motivated, Self Learner, Communication Skills, Hard Worker, Good Researcher

linguistics skills

*Arabic - Native
English - Business level*

Technical Skills

Machine Learning, Deep Learning (CNN,RNN,LSTM,GAN), Computer Vision, Image Processing, Python (Tensorflow , Open cv ,Keras,Pandas, numpy, requests, BeautifulSoup, nltk), Data Structures, Algorithms, Object Oriented Programming, Software Engineering, Java, C, Assembly

kaggle rank : 
rank expert kaggler



Certificates

- AI course certificate
03/2022 - 10/2022
- Ai training certificate , from
instant software solution
- PCAP : python certificate
- mahara-tech : deep learning
- mahara-tech : database



Volunteering

- AI & Machine Learning Head at iot project Tech Club Bani swief University 2022.”
- Ai Instructor at Tech Club Workshops 2022.”
- head at systems analysis and design project (resturant) Required to graduate a subject