

WORK EXPERIENCE

(24 Jan 2023 - Now) Development Engineer in Machine Learning (ML) & Programs Consultant at Ogoul Technology.

- Improve Translation(en-ar from 11 to 63 Bleu)
- Improve violence image classification(94 to 98)
- Improve violence video classification(0.48 to 0.94 safe Recall, 0.82 to 0.98 violent Recall)

(Aug – Jan 2023) Microsoft Internship:

- New Innovative general and practical solution for "Automating novel terms and usage detection in Egyptian Arabic.". Mainly, to enhance translation

(may 2018 – Jan 2023) Freelancer:

- (Dec – Jan 2022) Online Farming Website [\[link\]](#):
Keywords: (Firebase, ReactJS, WordPress, AWS Amplify hosting)
- (Oct – Dec 2021) Online Farming App [\[link\]](#):
Keywords: (Firebase, Flutter)
- (may 2018 - 2019) Restaurant Cashier [\[link\]](#):
Keywords: (Java, JDBC, Hibernate, SQL, MySQL, JasperReports, Trello)

ACTIVITIES

- (May 2020 – June 2021) Military service
- (Oct – 2019) NASA Space Apps Cairo [\[link\]](#).
Certificate of appreciation.
- (Sep – 2019) IBM Digital - Nation [\[link\]](#).
Acclaimed with 24 badges from IBM [\[link\]](#).
Video for our project Trash-Money [\[link\]](#).
- (Apr – 2017) Techsolve17- SCCI workshop [\[link\]](#):
Keywords: (Arduino, Sensors, Soft Skills)

TECHNICAL SKILLS

Machine Learning, Deep Learning, NLP, Computer Vision, Python, Java, Scikit-Learn, Tensorflow, Keras, Pytorch, Visualization, SQL, Hadoop, Big Data, Apache Spark, IBM SPSS Modeler.

SOFT SKILLS

- (Feb – May 2023) Dale Carnegie
Communication, Leadership, Becoming a trusted advisor, Presentation, Business Acumen, Strategic Planning, Team Building.

CONTACTS

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- 🔊 Sa2a [\[link\]](#)
- 🔗 [kaggle](#) khaledelsaka [\[link\]](#)

KHALED EL-SAKA

EDUCATION

Master of Electrical and Computer Engineering – Ottawa University:

May 2022 – Jan 2023

Major: AI and Data Science.

Projects:

- Chinese sign language Image Classification [\[link\]](#):
Keywords: (Image processing, Feature Engineering, ResNet, Zernike Moments, Data Augmentation)
- Static Vs Dynamic model, Cybersecurity attack detection [\[link\]](#):
Keywords: (Preprocessing, Analysis, Feature Selection, Modeling, Kafka, Docker, Static Vs Dynamic Model)
- Healthcare Chat Bot [\[link\]](#):
Keywords: (Preprocessing, DialogFlow, NLP, Classification, Clustering, Weighted Association Rules, Evaluation, Error analysis)
- Bitcoin price prediction using Sentiment Analysis [\[link\]](#):
Keywords: (Data collection and preprocessing, Sentiment Analysis, MI, LSTM, Evaluation, Error analysis)
- Fake task detection [\[link\]](#):
Keywords: (CGAN, RF, AdaBoost)
- Intrusion Detection [\[link\]](#):
Keywords: (Dimensionality reduction vs Feature selection, Deep Neural Network, Tuning, Flow Chart, TSNE Visualization)
- Sentiment Analysis for Arabic tweets [\[link\]](#):
Keywords: (Data preprocessing, BERT, araBERT, Fasttext, araXLENT)

Faculty of Computers and Artificial Intelligence – Cairo University:

2015 – July 2019

GPA: 3.15 (very good with honor).

Major: Computer Science.

Minor: Information System.

Graduation project: School bus-tracking system [\[link\]](#).

Keywords:(Android, ReactJS, Google Maps API, Firebase, NodeJs, Express, Socket I.O., TypeORM, MySQL)

PROFESSIONAL TRAINING

(Feb 2022–Jan 2023) Digital Egypt Builders Initiative (DEBI):

- (Feb – May) Berlitz (level 1 to 4).
- (Feb – May) Dale Carnegie.
- (Apr – May) IBM Big Data [\[link\]](#).
- (Mar – Apr) IBM Predictive Analytics Modeler [\[link\]](#).
- (Feb – Mar) Huawei HCIA-AI v3 [\[link\]](#).

OTHER COURSES AND CERTIFICATES

- (Nov – 2021) Python Programmer Bootcamp, 365 Data Science [\[link\]](#).
- (Nov – 2021) Introduction to Data and Data Science [\[link\]](#).
- (Nov – 2021) Getting started with Java, Amegoscode [\[link\]](#).
- (Nov – 2021) Getting started with Spring Boot, Amegoscode [\[link\]](#).
- (Nov – 2021) Java (Basics) assessment, HakerRank [\[link\]](#).
- (Nov – 2021) Git and Github Essentials, Amegoscode [\[link\]](#).
- (Oct – 2021) Introduction to Linear Algebra, 365 Data Science [\[link\]](#).
- (Oct – 2021) Statistics, 365 Data Science [\[link\]](#).
- (Oct – 2021) Introduction to Jupyter, 365 Data Science [\[link\]](#).