KHALED EL-SAKA

Junior NLP Engineer

PROFILE

Master's student at the University of Ottawa majoring in AI and Data Science. My passion is in AI and DS and especially NLP. I like non-trivial and challenging work that develops me and makes me smarter. Interested in making things intelligent and efficient. Innovative, committed, evolutionary, ambitious, decisive, flexible, attention to detail, analytical thinker, smart, and efficient worker.

PERSONAL INFORMATION

Date Of Birth: August 5, 1996
Military Service: Complete
Marital Status: Single
Relocation: Eligible

CONTACTS

📞 +20 114 882 7429
✉️ khaled.elsaka25@gmail.com
📍 Giza, Egypt
in khaled-el-saka-962700161
🐙 Sa2a
kaggle khaledelsaka

LANGUAGE

Arabic: Native
English: Upper-Intermediate

EDUCATION

Master of Electrical and Computer Engineering – Ottawa University:
May 2022 – Present
Major: AI and Data Science.
Graduation project (NLP):
Automating novel terms and usage detection in Egyptian Arabic.
Sponsored by **Microsoft**.
Other Projects:

- **Chinese sign language Image Classification:**
  Keywords: (Image processing, Feature Engineering, ResNet, Zernike Moments, Data Augmentation)
- **Static Vs Dynamic model, Cybersecurity attack detection:**
  Keywords: (Preprocessing, Analysis, Feature Selection, Modeling, Kafka, Docker, Static Vs Dynamic Model)
- **Healthcare Chat Bot:**
  Keywords: (Preprocessing, DialogFlow, NLP, Classification, Clustering, Weighted Association Rules, Evaluation, Error analysis)
- **Bitcoin price prediction using Sentiment Analysis:**
  Keywords: (Data collection and preprocessing, Sentiment Analysis, Ml, LSTM, Evaluation, Error analysis)
- **Fake task detection:**
  Keywords: (CGAN, RF, AdaBoost)
- **Intrusion Detection:**
  Keywords: (Dimensionality reduction vs Feature selection, Deep Neural Network, Tuning, Flow Chart, TSNE Visualization)
- **Sentiment Analysis for Arabic tweets:**
  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.
Keywords:(Android, ReactJS, Google Maps API, Firebase, NodeJs, Express, Socket I.O., TypeORM, MySql)

PROFESSIONAL TRAINING

(Feb 2022 – Present) Digital Egypt Builders Initiative (DEBI):

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

SKILLS

Machine Learning	Deep Learning	Data Mining
Visualization	NLP	Computer Vision
Hadoop	Big Data	Python
SQL	Apache Spark	IBM SPSS Modeler
Java	Statistics	Mathematics
Scikit-Learn	Tensorflow – Keras	Analysis
Feature Engineering	Problem Solving	Cloud Analytics

WORK EXPERIENCE

(Summer 2018 – Present) Freelancer:

- (Dec – Jan 2022) Online Farming Website:
  Keywords: (Firebase, ReactJS, WordPress, AWS Amplify hosting)
- (Oct – Dec 2021) Online Farming App:
  Keywords: (Firebase, Flutter)
- (Summer 2018 - 2019) Restaurant Cashier:
  Keywords: (Java, JDBC, Hibernate, SQL, MySql, JasperReports, Trello)

OTHER COURSES AND CERTIFICATES

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

ACTIVITIES

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