
MOHAMED ABDALLAH EL-KASABY

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Deep Learning Engineer

Summary

Life-long learner with a love of tech.

I`m interested in large-scale data mining and machine learning, I have experience building really fast and accurate machine-learning and deep-learning models in Python. I also understand big data technology like Hadoop and Spark. I have a great math background, and I am good at explaining complicated stuff. I also have interest in other technologies like Cloud Computing.

Work experience

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| Oct 2017 - Present | Co-Founder and Data Scientist
inBots
inBots is a creative AI technology startup that builds chatbot solutions and artificial conversational entities for all use cases like Collaborative Commerce, Customer Service, Content & Research and Enterprise. Our chatbots lies on all messaging platforms from enterprise messaging platforms like Slack, Google Hangout Chat and Facebook workplace to consumer messaging platforms like Facebook Messenger, WeChat and Kik. |
| Jul 2017 - Present | AI & Deep Learning Engineer
adam.ai
adam.ai is a new tech startup powered by YOUXEL Inc. that delivers Meeting Management Solutions (Software & Hardware) with the power of artificial intelligence.
<i>My work :</i> <ol style="list-style-type: none">1. Building our own language parser using existing NLP and ML libraries to make intent classification and entity extraction for company`s chatbot.2. Started implementing company's core text summarization system using open source tools such as TensorFlow, NumPy, and SciPy.3. Designing and Implementing the robot`s brain architecture |
| Oct 2016 - Jul 2017 | Team Lead and Deep Learning & Computer Vision Engineer
iSee
iSee is a Mobile Deep-Learning based App for visually Impaired persons
The App helps a person who is visually-impaired to better understand who and what is going on around them. <ol style="list-style-type: none">1. Developed a Classifier software to classify 1000 different objects.<ul style="list-style-type: none">• Fine-Tuning pre-trained ConvNet model (inception-v2) on TensorFlow.• Model evaluation: 91.8% Accuracy.2. Developed an Image Captioning software.

Image captioning model is a deep neural network that learns how to describe the content of images. It`s a TensorFlow implementation of the image-to-text model described in the paper: "Show and Tell: Lessons learned from the 2015 MSCOCO Image Captioning Challenge." <p>Media: https://www.youtube.com/watch?v=YY2iUhw611Y</p> |

- Mar 2016 - Present Data Scientist
Freelancer
 Building really fast and accurate machine-learning and deep learning models in Python. Ranked No.1 Data Scientist of Egypt on freelancer.com
 One of my projects "**E-mail spam detection**". Implementation of ANN for email spam-detection using TensorFlow. The idea is simple - given an email you've never seen before, determine whether or not that email is Spam or not. It is simple, but very efficient as I reached 99.6% accuracy. *The code is tested on python 2.7.11 and should work on python 2.x*
Details: <https://github.com/MoAbd/Spam-detection>
- Oct 2014 - Apr 2014 Electronics Designer at "Future team"
ROV Egypt Competition
 Control Electronics Designer & Embedded Systems Engineer
 My team took the 3rd place and won the best Pilot award at the competition

Education

- 2012 - 2017 Bachelor's Degree of Electronics and Communications Engineering
Mansoura University

Specializations:

- 2015 - 2016 Machine Learning
University of Washington
 ML specialization which provides a case-based introduction to the exciting, high-demand field of machine learning.
 I learn to analyze large and complex datasets, build applications that can make predictions from data, and create systems that adapt and improve over time.
 This specialization includes:
 * Regression
 * Classification
 * Clustering & Retrieval
 * Recommender Systems & Dimensionality Reduction
 * Machine Learning Capstone: An Intelligent Application with Deep Learning
- 2015 - 2016 Data Science at Scale
University of Washington
 Data Science at Scale Specialization on Coursera Platform which covers intermediate topics in data science: scalable data management, evaluating big data technologies, and designing effective visualizations.
 It provides hands-on experience with scalable SQL and NoSQL data management solutions, data mining algorithms, and practical statistical and machine learning concepts. I learn to visualize data and communicate results, and I explore legal and ethical issues that arise in working with big data. In the final Capstone Project, I apply my new skills to a real-world data science project.
 This specialization includes:
 * Data Manipulation at Scale: Systems and Algorithms
 * Practical Predictive Analytics: Models and Methods
 * Communicating Results: Visualization, Ethics, Reproducibility
 * Data Science at Scale - Capstone Project

Independent Coursework

- **Convolutional deep Neural Networks for Visual Recognition, by :Andrej karpathy**

Course number: CS231n

- **Deep Learning by Google at Udacity**
Course number: ud730
- **Deep Learning for Natural Language Processing**
Course number: CS224d
- **Machine Learning Course-By: Dr.Yasser Abu-Mustafa**
Course number: CS156
- **Embedded Systems - Shape the World**
Course number: UT.6.01x
- **Embedded Linux (Dealing With pi)**
- **Introduction to Computer Science and Programming Using Python**
Course number: 6.00.1x
- **Introduction to Linux**
Course number: LFS101x
- **Circuits and Electronics**
Course number: MITx: 6.002x

Certifications

"Machine Learning Foundations: A Case Study Approach by University of Washington on Coursera. Certificate earned on November 16, 2015"

Coursera Verified Certificates License FWNK84XSUA2P November 2015

Machine Learning: Regression by University of Washington on Coursera. Certificate earned on January 15, 2016

Coursera Course Certificates License MCCUBC2VCSWV January 2016

Machine Learning: Classification by University of Washington on Coursera.

Coursera Course Certificates License A3KGL7G9GU5X December 2016

edX Certificate for Introduction to Computer Science and Programming Using Python

edX

"Data Manipulation at Scale: Systems and Algorithms by University of Washington on Coursera. Certificate earned on November 8, 2015"

Coursera Verified Certificates License BDWGTWQLB6GB November 2015

"Introduction to Big Data by University of California, San Diego on Coursera. Certificate earned on October 19, 2015"

Coursera Verified Certificates License QTMKYFHUZMEQ October 2015

"Hadoop Platform and Application Framework by University of California, San Diego on Coursera. Certificate earned on November 16, 2015"

Coursera Verified Certificates License 5MDRUYCRDEHJ November 2015

"Introduction to Big Data Analytics by University of California, San Diego on Coursera. Certificate earned on December 26, 2015"

Coursera Course Certificates License T68QD95L9ZES December 2015

Python Programming: Beginner Course

Dataquest.io License 6NPBLK9SLG8KZARASGFL

Python for Business Analysts Course

Dataquest.io License AEC3OC5GILACBM1QP921

Skills & Expertise

Python
Algorithms
Machine Learning
Deep Learning
TensorFlow
Spark
Pandas
Computer Vision
NLP
SFrame
SQL
Data Science
Data Analysis
Git & GitHub
Computer Science
Programming
Data Mining
R
Linux
Matlab
GraphLab
Hadoop
Big Data
Ipython notebook
C
Microcontrollers
Embedded Linux
Embedded Systems
Electronics