

# AHMED NABIL ATWA ABDELATIF

## Data Scientist | Machine Learning

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El Beheira, Egypt

<https://stackoverflow.com/story/druxavier>

## EDUCATION

### Bachelor Degree in Information System & Computer Science

Arab Academy for Science, Technology & Maritime Transport

2015 - 2019 Alexandria, Egypt

Grade: *Excellent with honor.*

GPA

3.44 / 4.0

## EXPERIENCE

- Experience 2+ years of Academic Association in Data Science & Big Data Analytics.
- Experience 1+ year work as Data Scientist (DS) & Machine Learning Engineer (ML).
- Experience 2+ years in python.
- Experience 3+ years in SQL, SQLite, ERD, and less than 1-year experience in BigQuery and Dataflow.
- Experience 1+ year In machine learning algorithms Supervised and Unsupervised: Regression, Classification, and Clustering, Recommendation Systems, and Time-series.
- Experience 1+ year in Deep learning (DNN) algorithms such as artificial neural network (ANN), CNN, RNN, LSTMs, Linear, Classification, time-series.
- Experience less than 1 year in Google Cloud (GCP).
- Have Solid knowledge about how to build pipelines as Data Scientist (starting from data cleaning, going through exploratory data analysis EDA, until export model).
- How to build a pipeline as Machine Learning Engineer (starting from data pre-processing, feature engineering, hyper-parameter tuning and cross-validation, until serving the model).
- How to convert business requirements into CI.
- Capable build advanced and explainable models that predict and forecast outcomes using orchestration artifacts for CI.
- Capable of framing & architecting any ML problem.
- ML code is 5% of any project. Hence, all the focus will be on monitor- & measure for optimizing the performance of our model.
- Have the ability to deliver actionable business insights and incubate innovative ways of solving problems and founding solutions.
- The deployment process will not be efficient if there is no solid research behind it. So, I'm capable create a sophisticated technical report that emphasizes the workflow behind the development process.
- The main goal is to finish what you start: "clients do not relate to reasons, they relate to actions.
- Discipline, persistence, well-adapted are keys for a successful person; that's why – I make them my big picture.
- Communication is not always the best thing, but being convenient is the best, especially with the stakeholders.

## SKILLS

### Python 3.x

### SQL, SQLite, MySQL, BigQuery

### Tensorflow, Keras, NLTK, Scikit-learn

### Docker, Kubernetes

### TFX, kubeflow, Beam, Airflow

### MLMD, MLflow, WIT

### Pandas, NumPy, Statsmodel and SicPy

### Matplotlib, Seaborn, Folium, Plotly Dash, and Flask

## PROFESSIONAL CERTIFICATES

### Google Professional Machine Learning Engineer

Google Cloud

12/2021

[See the Credentials](#)

### IBM Python Data Science

edX IBM

05/2021

[See the Credentials](#)

[Check Badges](#)

### EMC Academic Associate, Data Science and Big Data Analytics

EMC Education Services

01/2019

Verification Code: 4TRDHEL6JER41955

[Check the Verification](#)

### Present Around the World MEA Representer 2019

The institution of Engineering and Technology (IET)

07/2019

## PRODUCTION PROJECT



### Automate Forecasting Stock Movements

- I was proud to design the architecture of this system design & workflow in form of Archimate diagram & flowcharts.

- I was proud to use APIs such as (Yahoo Finance, Alpha Vantage) for ingesting financial data. Therefore, the whole model dataset is from batch data obtained from API instead of downloading each historical data according to each company's ticker symbol.

- Building the input pipeline as Tensors using TF Data API.

- I learned how to apply fully managed, scalable, composable, and portable pipeline using Kubeflow, and TFX.

- I was proud to build DS pipeline: preprocessing; EDA; Algorithm setup (Built Multi-step Encoder-Decoder LSTMs skeleton) using Keras Functional API. I was able to handle the Internal Covariant Shift and Residual Networking to handle our Long Deep Neural network (more than 3mil nodes) for more training processes and with a short training time.

- I was proud to serve our model using AI platform. This helps me to improve my knowledge to combine both Shell & Python for building a solid pipeline in Google Cloud.

- I was proud of being able to build a dashboard that simulates this time-series model and present the results in a candlestick chart & table using Dash Plotly in PaaS service (Aka. App Engine) using Docker, YAML, and Makefile.

- I was proud of building a dynamic model like this because of the low loss it presents. This model is capable to forecast different days, and also different timestamps provided.

## PERSONAL PROJECTS

### Face Mask Detection

📅 2021

🔗 <https://github.com/AI-Ahmed/face-mask-detection>

During pandemic COVID-19, WHO has made wearing masks compulsory to protect against this deadly virus. I had to create a Deep learning application that detects Whether the person is wearing a mask or not!

- For Deep Learning Model – I used [Tensorflow](#), [Keras API](#), [ResNet Application](#).
- For Interaction – I used [OpenCV](#).
- For Interface – I used [Flask](#), [Dash Plotly](#).
- For Clouding – I used [AWS](#).
- For Platform – I worked Over [Google Colab](#).

### Sign-Language-Detection

📅 2021

🔗 <https://github.com/AI-Ahmedr/Sign-language-detection>

By Using [Tensorflow](#), [Keras API](#), and [MobileNet](#)

- Sign Language Detection or SLD is a Convolutional Neural Network project that helps the machine to identify the sign language speakers with an accuracy reach 98%.

### NoonPyMe

🔗 <https://github.com/AI-Ahmed/NoonPyMe>

By Using Data scraping libraries like [Selenium](#), [BS4](#)

- NoonPyMe is an application that provides the user with the ability to insert their keyword to the program for scraping products, brands, or sections from noon.com, or by inserting a directed link to the page that you want to scrape.

## FIND ME ONLINE



Kaggle

<https://www.kaggle.com/dsxavier>



GitHub

[www.github.com/AI-Ahmed](https://github.com/AI-Ahmed)

## FIELD OF KNOWLEDGE

IBM Watson Studio

AWS

Google Cloud

AzureOps

CirclCI

YAML

Makfile

R

C

Java

PHP

HTML5

PHP

CSS

JavaScript

OpenCV

.Net

Shell

Git

Github

Jupyter

Anaconda

Google Colab

IBM Developer Lab

Linux

Ubuntu

Debian

Parrot OS

Windows

Tableau

Google Studio

VSCode

IntelliJ IDEA

Atom

Adobe Illustrator

Fritzing

Proteus

Adobe Photoshop

Leadership

Project Management

Career Development

Job Coaching

Time Management

Team Leadership

Inspiration

Recognition

Social Communication

Listening & Communicating

Market Strategy

Branding

Strategic Planning

Electronics & Embedded

Investment

Research

## WORKED AS

### Data Scientist | Machine Learning

Upwork

📅 05/2021 - Ongoing 📍 Remote

🔗 <https://www.upwork.com/freelancers/~01686808433fd93b0a>

## FIND ME ONLINE



**Stack Overflow**

<https://stackoverflow.com/users/14473118/ahmed>



**LinkedIn**

[www.linkedin.com/in/ai-ahmed](http://www.linkedin.com/in/ai-ahmed)

## REFERENCES

**Akansha Kaushik > Technology Delivery Manager | Lead Data-scientist | Google Data Analytics tools certified**

[LinkedIn Account](#)

## CERTIFICATES

**Diploma in Career Advancement**

Shaw Academy - Aug 2017

**Diploma in Digital Marketing**

Shaw Academy - July 2017

**Diploma in Leadership and Management**

Shaw Academy - July 2017

**Diploma In Investment**

Shaw Academy - Aug 2016

## WORKED AS

**Data Scientist Intern**

**iSmileTechnologies**

08/2021 - 01/2022 | Illinois, U.S. (Remote)

- Built an automated time-series ML system for stock movements and integrated earning forecasting.

**Business Development Manager**

**Beauty Secret Eg**

07/2019 - 05/2021 | Cario, Egypt (Remote)

[beautysecreteg.com](http://beautysecreteg.com)

**Python Developer**

**Beauty Secret EG**

07/2019 - 05/2021 | Cario, Egypt (Remote)

[beautysecreteg.com](http://beautysecreteg.com)

- Created a **Desktop Search Engine** that helps the company to enrol the information they want by entering the *SellerSKU* by importing Excel file. The output will be 2 Reported (Filetypes: '.xlsx') using **python**. One file named by its name and the processed date. This file contains all the information about the products. The Other file has unfounded products and needs to be created.

**Website Builder**

**Beauty Secret EG**

07/2019 - 05/2021 | Cario, Egypt (Remote)

[beautysecreteg.com](http://beautysecreteg.com)

- With a great crew, we've built a website for the company to expand the company work range.
- Redesigned web platform to conform to the professional material design standards.
- Increased by 79.6% the reach of the users to the company. But still the main contact delivery on WhatsApp (Owner decision).

**Business Info. System Manager**

**Beauty On-Demand**

03/2018 - 06/2019 | Cario, Egypt (Remote)

- I have monitored the products supplied to our vendors Souq.com, Lumia.com, and noon.com.
- We worked on creating a database for the company to facilitate the products' creation.
- The system succeeded in over 1-year.
- Strategized and implemented new ways to maintain resume and project information on over 1,000 entries.
- We have worked on more than +9,000 products using **Excel**, **excel-VBA**, **Excel Formulas**, and **Photoshop** for high-quality products' pictures.
- We also invented a **Wix-code** script using *JavaScript* to help the company applying its products' images as hyperlinks for more bulking facilitation.
- I was responsible for supplying more than 5,574 digital products to our vendors. (*accurate Information about each product within its images*) in a short period (The system we worked on helping us, and saved thousands of pounds were spent on each digital bulk images which they were being created by a third-party).

**Business Info. System**

**Sephora-Toi**

10/2016 - 02/2018 | Cario, Egypt (Remote)

- I've Created +2,000 Digital Products.