AHMED NABIL ATWA ABDELATIF

IBM Certified Data Scientist | Machine Learning

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📍 El Beheira, Egypt

EDUCATION

Bachelor Degree in Information System & Computer Science

Arab Academy for Science, Technology & Maritime Transport

📅 2015 - 2019   📍 Alexandria, Egypt

GPA

3.44 / 4.0

- **Grade**: _Excellent with honor_

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 less than 1 year in Google Cloud (GCP).

- Have Solid knowledge about how to build pipleine as Data Scientist (starting from data clearning, going throw 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 requirement into CI.

- Capable build advanced and explainable models that predict and forecast outcomes using an orchastration artifacts for CT.

- 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 performace 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, NLTK, Scikit-learn

Docker, Kubernetes

TFX, Kubeflow, Beam, Airflow

CI/CD/CT

Pandas, NumPy, 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: **4TRDHEL6JER4195S**
- 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 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.

- I was proud to build DS pipeline: preprocessing; EDA; Algorithm setup (Built Multi-step LSTMs skeleton) using Keras Functional API. Hence, the model will be able to obtain multiple features (open, high, low, close, adj) and return multiple features, too.

   -- For Regularization, I used "Early Stopping".
   -- For Fine-tuning, I used "Keras Tuner" with some wrapper modifications.

- I was proud to connect this pipeline with the AI platform (GCP). This helps me to improve my knowledge to combine both Shell & Python for building a solid pipeline in 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/DrStarkXavier/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/DrStarkXavier/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/DrStarkXavier/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

FIELD OF KNOWLEDGE

IBM Watson Studio   AWS   Github

AzureOps   CirclCI   YAML   Makfile

R   C   Java   PHP   HTML5   PHP

CSS   JavaScript   OpenCV   .Net

Shell   Git

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 Intern

iSmileTechnologies
📅 08/2021 - 11/2021   📍 Illinois, U.S. (Remote)

- Built a Time-series Deep Learning LSTMs Neural Network. Application.

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 | Machine Learning | Data Scraper

Upwork

📅 05/2021 - 08/2021 📍 Remote

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

Business Development Manager

Beauty Secret Eg

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

🔗 beautysecreteg.com

Python Developer

Beauty Secret EG

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

🔗 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 (Filestypes: `.xslx`) 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

- 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, Jumia.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.