

## Summary

Highly skilled Machine learning and Data Engineer, has 2+ years experience in AI and Data Engineer fields, and worked on different project to Automate data Integration and migration pipelines.

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## Education

Al-Azhar University  
BSc. in Computer and Systems Engineering  
2016-2021  
Very Good with honor.

## Projects

- Intelligent Transportation System (ITS)  
ETI pipelines from different systems to Big Data store. Worked on Extract many format of data from different systems like APIs, Kafka, Elastic Search, and Redis. make different transformations on the data and load it in Big Data Store.
- Industrial Digitalization Platform (IDP)  
Works on Advanced Analytics part, related to building different machine learning pipelines for data cleansing, Data Engineering. Develop different KPIs in KPI service.
- Graduation project: فَيَهْدَاهُمْ أَقْتَدِهِ  
Android and NLP website and mobile application

## Experience

Machine Learning and Data Engineer at Giza Systems from Sep 2022 till now.

Teaching Assistance in Zewail City from Oct 2022 till Jan 2023.

Trainee at Information Technology Institute (ITI) from Oct 2021 to Aug 2022.

## Skills

**Languages:** Java SE, Python, Jython, C++.

**SQL DBs:** Oracle 11g, MySQL, PostgreSQL.

**NoSQL DBs:** Elastic Search, Redis, HBase, MongoDB, Kudu, Impala.

**Data Engineering:** Kafka, NiFi, Apache Spark, Hadoop.

**Software Engineering:** Data structures, Algorithms, OOP.

**Data Manipulation:** Numpy, pandas.

**Data Visualization:** Scipy, Matplotlib, Plotly, Dash Plotly.

**ML\ DL tools:** Tensorflow, Keras

**Artificial Intelligence:** Classification, Regression, Clustering, Neural Network.

Excellent grade.

1<sup>st</sup> place in AZ-EX (Al-Azhar Exhibition for engineering applications).

Designed and managed database (MySQL) and interfaced with the server.

Utilized gTTS (Google Text-to-Speech) API

Utilized Shakkala (RNN for Arabic text vocalization)

## Certifications

Informatica PowerCenter Data Integration  
10 Developer, Professional Certification  
(December 2023)

**Math:** Calculus, Linear Algebra, Statistics, Probability.

**APIs:** Rest, Django, GraphQL.

**Mobile development:** Android.

**Other:** Linux, Docker, Git.

## Activities

EgyHakathon

COVID'19 Competition, 2020

Team promoted to finals.

Teaching Assistant Volunteer

Computer and Systems Engineering,  
Al-Azhar University, 2020-2021.

Teaching Assistance

CEIT (Egypt-India Centre of IT),  
2019-2020.

Technical Support and Head of Java  
Track

AZ-EX (Al-Azhar Exhibition for  
engineering applications), 2018-2020.

ACPC (Al-Azhar Collegiate Programming  
Contest), 2019

8<sup>th</sup> Place.