

Abdallah Mahmoud

Machine Learning Engineer | AI Engineer | Data Scientist

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PROFILE

AI & ML Engineer and Data Scientist with a growth mindset. Working in Machine Learning, Deep Learning and Artificial Intelligence with experience in Natural Language Processing (NLP) and Computer Vision (CV). Having the ability to work with a wide variety of people and mindsets.

EDUCATION

Oct 2024 – Present

9-Month Professional Diploma, Information Technology Institute (ITI)
Ministry of Communications and Information Technology (MCIT)

- **Powered by:** French School of Engineering and Computer Science (EPITA)
- **Track:** Artificial Intelligence and Machine Learning (AI & ML)

Sep 2020 – Jul 2024

BSc in Computer Science

Faculty of Computer and Information Science, Mansoura University

- Accumulative Grade: **Very Good**

MAIN PROJECTS

- **Hate Speech Classification Project** | [GitHub](#)

NLP project focuses on building a robust hate speech classification system that can detect and differentiate between hate speech, offensive language, and neutral content.

- **Document Clustering Project** | [GitHub](#)

The project applies unsupervised learning techniques to cluster documents from two datasets: the People Wikipedia Dataset and the 20 Newsgroups Dataset. The project is deployed using Streamlit, providing an interactive web interface for exploring and visualizing the clustering results.

- **Obesity Classification Project** | [GitHub](#)

The Project aims to classify individuals based on obesity levels using health and lifestyle data. Applied preprocessing, feature selection, and various classification algorithms to achieve high accuracy and interpretability.

- **SeerE, Graduation Project** | [GitHub](#)

The Project aims to predict car malfunctions before they occur using special data from the car sensors extracted by OBDII device.

- Grade: **Excellent**

EXPERIENCE

2021 – 2022

Translator, Lexicon Certified Translation Foundation

Saudi Arabia (Remotely)

- Translation from English to Arabic
- Translation from Arabic to English
- Working with the team

TECHNICAL SKILLS

Programming Languages:

C, C++, Python

Database Platforms:

MySQL, MS SQL, MongoDB

Data Analysis and Visualization:

Data Processing, Data Wrangling, Exploratory Data Analysis (EDA), NumPy, Pandas, Matplotlib, Seaborn, Plotly, Power BI

Big Data & Cloud Technologies:

Cloud Infrastructure for Big Data, Spark, PySpark, AWS, Azure, Google Cloud Platform

Mathematics and Statistics:

Linear Algebra, Probability, Numerical Optimization, Statistics

Machine & Deep Learning:

Supervised & Unsupervised Algorithms, Reinforcement Learning, SKLearn, TensorFlow, Keras, PyTorch, ANN, CNN, RNN, Transformers, Generative AI, Large Language Models (LLMs), Recommender Systems, Time Series Analysis and Forecasting

Natural Language Processing (NLP) & Computer Vision:

Natural Language Toolkit (NLTK), Spacy, Gensim, Hugging Face, Image Processing, OpenCV, YOLO

Others:

Web Scraping, Selenium, BeautifulSoup, Agile, Git, Linux, Docker, Flask, FASTAPI, Streamlit, Dash

INTERNSHIPS

- **Python for Machine Learning and Data Science** | [Certificate](#)
Consulting of Computers and Information Center (CCIC)

PERSONAL SKILLS

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|----------------------------|------------------------|-----------------------|
| • Problem Solving | • Commitment | • Presentation Skills |
| • Leadership | • Business Acumen | • Management |
| • Work as a part of a team | • Communication Skills | • Adaptability |

LANGUAGE SKILLS

- **Arabic** : Native
- **English** : Fluent

Extracurricular Activities

- Volunteer at Resala Association

PERSONAL INFO

- **Military Status** : Exempted
- **Nationality** : Egyptian
- Ready to relocate