

Mennatullah Tarek *AI/ML Engineer*

✉ menatarek04@gmail.com

☎ 01022880675

📍 Mansoura, Dakahlia

🌐 [LinkedIn](#)

🔗 [GitHub](#)

Profile

AI/ML Engineer passionate about building impactful solutions with machine learning, deep learning, and generative AI. Solid experience through the 9-month ITI AI/ML Diploma and real-world projects. Skilled in Python, TensorFlow, SQL, and ML pipelines across NLP, Computer Vision, Time Series, and Recommender Systems. Currently expanding expertise in LLMs and RAG pipelines. Recognized for fast learning, strong teamwork, and using AI to solve real-world challenges.

Education

10/2024 – 06/2025	9-Month Diploma (ITI) Information Technology Institute ,(MCIT) Ministry of Communications and Information Technology, Artificial intelligence and machine learning, Mansoura Branch
2020 – 2024	B.Sc. in Computer Science – Faculty of Computer and Information Sciences, Mansoura University, Excellent with Honor degree.

Internships

08/2024 – 10/2024	Data Analyst Intern _ Neutrinotix
07/2023 – 09/2023	Summer internship in Computer Vision (ITI) Information Technology Institute , (MCIT) Ministry of communications and Information Technology

Skills

Generative AI & LLMs:

LLMs, Prompt Engineering, RAG Pipelines, LangChain

AI/ML Development:

Regression, Classification, Clustering, Recommender Systems, Time Series, Scikit-learn, TensorFlow, Keras, PyTorch, Spark

Data Analytics & Visualization:

EDA, Feature Engineering, SQL, Pandas, NumPy, Tableau, Power BI, Matplotlib, Seaborn

Computer Vision & NLP:

OpenCV, Image Processing, Object Detection, Text Processing

Automation & RPA:

Selenium, BeautifulSoup, UiPath, RPA (introductory to intermediate).

Tools & Platforms:

Git, GitHub, Linux, Bash, Jupyter Notebook, VS Code, MySQL, MongoDB, Streamlit

Projects

RAG Pipeline for Recruiter Assistant

- Built a RAG pipeline using LangChain and LLMs to enable advanced document-based question answering.

Agentic AI for Quran App

- Built and deployed an agentic structure project with API and LLMs.

Time Series Forecasting for Sales Store

- Implemented time series models for trend prediction using Prophet and ARIMA.

Recommender System for E-Commerce

- Built and evaluated collaborative filtering and content-based recommender systems.

Multiclass Prediction of Obesity Risk

- Built and deployed a full ML pipeline including preprocessing, modeling, and evaluation in a team project.

Twitter Hate Speech Detection

- Applied NLP techniques and machine learning to detect hate speech in tweets.

Document Clustering

- Used vectorization and clustering to analyze and group text documents.

Deep Learning Projects

- Developed models using CNNs, RNNs, and LSTMs for sequence data.

Machine Learning Projects

- Built ML models classification, regression, and clustering with full pipelines, evaluation, and deployment.

Web Scraping for Data Analysis

- Automated data extraction using Selenium and BeautifulSoup.

Sales and Trends Analysis

- Analyzed sales data trends using Power BI, Excel, Tableau, and Python.

Extracurricular Activities

04/2023 – 05/2024	Data science Member <i>IEEE, Mansoura Branch</i>
10/2022 – 09/2023	Head of Public Relations <i>CIS, Mansoura University</i>
07/2022 – 08/2023	Team Leader <i>Alam</i>
09/2021 – 09/2022	Core Team Members <i>GDSC, Mansoura University</i>

Awards

05/2024	Graduation Projects, First Place <i>Ebtikar competition, Mansoura University</i>
01/2024	Second Place <i>IEEE Mansoura Branch Data science Competition</i>
05/2023	Second place <i>Software Engineering Competition, FCIS</i>
11/2022	First Runner-up in Africa <i>Huawei ICT Competition</i>

Languages

Arabic Native	English B2 (Upper Intermediate)
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Personal Skills

Analytical Thinking and Problem-Solving <i>ICPC Competitor</i>	Leadership, Collaboration, and Teamwork Experience <i>Graduation Project Team Leader, Alam Team Leader</i>
Business Development and Strategy Knowledge <i>Preincubation for graduation project</i>	Public Speaking and Presentation Skills <i>CIS Public Relations Head</i>
Quick Learner with a Growth Mindset <i>LLMs and Rag concepts with projects in two weeks</i>	Effective Communication with Diverse Audience <i>Presenter (college & competitions)</i>