

Tasnim Salah AI Engineer/Data scientist

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Summary

Enthusiastic Computer Engineering graduate with a strong interest in AI and Data Science, equipped with a broad skill set in machine learning, deep learning, and statistical analysis. Proactive and detail-oriented, with a passion for continuous learning and professional growth in fast-evolving technologies.

Education

Ain shams university, BS Computer and Systems Engineering 2020 – 2025

Graduation project: AI legal assistant | Microsoft graduation project Mentorship Program | Grade: A 

- Retrieval-Augmented Generation (RAG) pipeline for legal inquiries to process and retrieve information from Arabic legal documents. Evaluated with RAGAS and achieved **88%** answer relevancy.
- **Key skills:** Python, vector databases, Langchain, HuggingFace, NLP and transformer models.

Experience / Training

Dell summer academy, intern  08/2024 – 09/2024

- Hands-on experience in different technologies; AI, Data science, and DevOps.

Digital Egyptian Pioneers Initiative, 04/2024 – 10/2024

Machine learning Engineer diploma 

- **Key Skills Gained:** Python, Azure AI, MLOps, NLP, Agile methodologies, and end-to-end ML lifecycle.

Relevant projects

RAG-based Chatbot Project 

- Developed an end-to-end Retrieval-Augmented Generation (RAG) chatbot integrating dense embeddings, BM25 keyword retrieval, and HuggingFace LLMs to deliver accurate question answering.
- Implemented text preprocessing, model evaluation, and deployed an interactive Gradio-based UI.

Detection of fraudulent activities in digital transactions, Dell Summer Academy project 

- Optimized machine learning models: random forest, decision trees and neural networks to accurately detect fraudulent transactions, prioritizing high recall to minimize missed frauds.

COVID19 recovery prediction project 

- Developed classifiers (KNN, Logistic Regression, Naïve Bayes, Decision Trees, SVM)
- Conducted performance evaluation using precision, recall, F1-score, and ROC/AUC curves

Courses

Machine Learning Specialization, DeepLearning.ai & Stanford 

Associate AI Engineer for developers, Data camp 

Technical Skills

Python • C++ • Java • Data Structures • OOP • HTML • CSS • Git • SQL • NLP •
Data Visualization and preprocessing • Machine learning algorithms • Deep learning • PyTorch •
TensorFlow • Keras • Web scraping • OpenAI API • Prompt Engineering

Extracurricular activities

Enactus Ain Shams University – • Creative director - official presenter

Languages

Arabic – Native/Bilingual

English – Fluent