

Yomna Hadad

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in YomnaHadad 🌐 YomnaHadad 📺 YomnaElhadad

Quick Guide

Junior Data Scientist and AI Student with a strong foundation in machine learning, computer vision, and generative AI. Proven ability to develop and implement AI solutions, demonstrated through projects with hands-on experience in data analysis and machine learning. Eager to apply technical expertise to solve complex real-world challenges.

Education

University of Kafr El Sheikh Sept 2023 – July 2027
3rd Grade, Artificial Intelligence
◦ GPA: 3.31/4.0

Experiences

Digital Egypt Pioneers Initiative - DEPI Nov 2025 - Jul 2026
Microsoft Machine Learning Engineer Trainee
Learning Microsoft Technologies to translate the raw data into data science models that can be applied and scaled, develop algorithms and build programs that enable computers to process incoming data and identify patterns

National Telecommunication Institute - NTI

Data Analytics for Machine Learning - Summer Training (120h) Nov 2025 - Jul 2026
🌐 **Bookstore - Graduation Project**

Deep Learning for Computer Vision - Upskilling Programs (72h) Jan8 - Feb 28 2026
Practice CV and pattern recognition concepts and methodologies. Develop different appreciations for various issues in the design of computer vision and object recognition systems based on deep learning techniques.

Information Technology Institute - ITI

NVIDIA Generative AI Program Level1, Nov25 : Dec15 2025
Level2, Feb13 : Mar8 2026

Completed Beginner and Advanced levels of Generative AI training offered by ITI in cooperation with NVIDIA, gaining foundational and advanced knowledge in AI model development.

Projects

🌐 **CountryDataHub, CS50-SQL Graduation Project**
📺 **CS50SQL Graduation Video**

- Built the CountryDataHub database, integrating comprehensive data on populous cities, country economics, population statistics, and languages spoken, serving as a graduation project for CS50-SQL.

🌐 **Mini-RAG Smart-Contract-Summary-Q-A-Assistant**

- end-to-end Retrieval-Augmented Generation (RAG) web application system allows users to upload long documents (contracts, insurance policies, reports) and interact with them via a conversational assistant. Users upload PDF/DOCX, the system extracts, chunks, and embeds content, stores it in a vector store, and enables chat-based question answering with guard-rails and source citations.

- Tools Used: langchain - openai - python-docx - fastapi

🔗 Image Caption Generation - Retinal Disease

- Developed a deep learning model using Keras, LSTM, and ResNet50 for automatic image caption generation on retinal fundus images, aiming to assist in clinical diagnosis by providing natural language descriptions of eye diseases.)
- Tools Used: Keras - LSTM - ResNet50

Certifications

Harvard Certified

CS50 Python Issued: Jul31, Expired: Sept28 2024

CS50 SQL Issued: June, Expired: Jul28 2025

Stanford - DeepLearning.AI

Machine Learning Specialization

Data Camp Certified

24 Concluded Courses of AI and DS track

Issued: Jan6, till Present Time

365DataScience Certified

- Machine Learning with Python
- Deep Learning with TensorFlow
- introduction to Data and Data Science
- introduction to Algorithms
- Statistics
- Mathematics

IBM Certified

- Supervised Machine Learning
- Exploratory Data Analysis for ML

Skills

Languages: C++, Python, SQL, Java

Technologies: Pandas, MySQL, Sqlite, OOP, Matplotlib, sklearn, PyTorch, TensorFlow, Keras

Activities

Problem Solving solved 250+ problems on various online judges, including:

CodeForces

vjudge.net

CodeWars

Spoken Languages

Arabic (Native)

English (Intermediate)