Youstina Ashraf Khalil Mikhail

(+20) 1044258921 | youstinaashraf654@gmail.com | Youstina Ashraf | Youstina Ashraf

Career objective:

I'm a Computer Science graduate seeking a job opportunity with a leading company where I'm looking to gain new experiences, applying solid knowledge into real-life applications and projects.

Experiences:

Nov.2024 – Present: This 8-month program, Data Science and Cloud Computing, Digital Egypt Builders Initiative (DEBI) is a unique initiative launched by the Ministry of Communications and Information Technology.

Education:

- **Nov.2019 - May.2023:** Bachelor of computer science, Computer Science Dept., Faculty of Computers and Artificial Intelligence, Helwan University.
- **Accumulative Grade/GPA:** very good.
- **Graduation Project:** A+.

Skills:

Languages:

Arabic: Mother Language.
English: Advanced.

Technical Skills:

Programming Languages: Python - SQL - C - C++ - Java - .Net
Tools & Frameworks: TensorFlow - PyTorch - Scikit-learn – nltk - pandas - numpy - OpenCV - regex.
Cloud Platforms: Azure - AWS.
web Application: Flask - Gradio - Streamlit.

Personal Skills:

Time work. |Ability to Work Under Pressure. |Problem-solving. |Communication.

Projects:

Automated Image Captioning from Web Pages:

Extracted image data from web page, Use BeautifulSoup to parse the HTML and extract all image elements (<img> tags). Filter out irrelevant images (SVGs, very small images) download it using requests Use the Salesforce/blip-image-captioning-base model to generate captions for each image. Write the generated captions to a text file, associating each caption with its corresponding image URL.

Audio Transcription App:

It is a user-friendly application designed to convert audio files into text. it is used for automatic speech recognition (ASR). using Gradio: a python library that simplifies the creation of user interfaces for machine learning models, making it easy to upload audio files and view transcriptions. OpenAI Whisper Model: A pre-trained model specifically designed for automatic speech recognition.

Web-based Chatbot Application:
This project is a web-based chatbot application built using Flask and the Hugging Face Transformers library. The chatbot leverages the facebook/blenderbot-400M-distill model to generate conversational responses. Used Flask: a web framework for Python that is used to create the web application.

Stock Market Prediction:
Extracted data from csv file, explore and preprocessing data, visualization data, build linear regression model to predict Close/Last price, evaluate and test model.

Financial Sentiment Analysis:
Extracted data from csv file, explore and visualization data, text preprocessing data, build RNN model to classify text is Neutral or Positive or Negative, evaluate and test model.

Credit Card:
Extracted data from csv file, explore and preprocessing data, build RandomForestClassifier model to predict credit card application approved or not, evaluate and test model.

Certificates:

Mar.2025: Successfully completed Building Generative AI-Powered Applications with Python an online course authorized by IBM and offered through Coursera.

Jan.2025: Successfully completed the online, Specialization Machine Learning on completing all three courses of the Machine Learning Specialization. studied modern machine learning concepts, including supervised learning, unsupervised learning, recommender systems, and reinforcement learning. learned some of the best practices for building machine learning models. and gained practical skills to apply machine learning techniques to challenging real-world problems. authorized by DeepLearning.AI and Stanford University and offered through Coursera.

Jan.2025: successfully completed Neural Networks and Deep Learning an online course authorized by DeepLearning.AI and Stanford University and offered through Coursera

Jan.2025: successfully completed Unsupervised Learning, Recommenders, Reinforcement Learning an online course authorized by DeepLearning.AI and Stanford University and offered through Coursera.

Dec.2024: successfully completed Advanced Learning Algorithms an online course authorized by DeepLearning.AI and Stanford University and offered through Coursera.

Dec.2024: successfully completed Supervised Machine Learning: Regression and Classification an online course authorized by DeepLearning.AI and Stanford University and offered through Coursera.

Nov.2024: successfully completed Python for Data Science, AI & Development an online course authorized by IBM and offered through Coursera.

Jul.2022: successfully completed the summer training course for 4 weeks (120 hours) from 3 July - 4 August 2022 (Online Live Sessions) Artificial Intelligence (AI), provided by IDITA coordinated with NTI.