

Ali Tarek Ali Abdulfattah Sakr

Giza, Egypt / 01155507129/ ali.tarek.0702@gmail.com / <https://www.linkedin.com/in/ali-tarek-/> / <https://github.com/alitarek-dot>

PROFESSIONAL SUMMARY

Versatile developer with a Bachelor’s in Computer Science, distinguished for collaborative skills and a track record of independently delivering impactful results. Ample experience in AI and machine learning development, delivering well-documented, tested, and operable code. Efficient in collaborating and communicating new ideas and opinions.

AWARDS AND CERTIFICATIONS

Generative AI Professional / CLS Learning Solutions	September 2023
AI Engineer Track / ACTIVELOOP	November 2023
Hands on machine learning with Scikit-learn, Keras and Tensorflow / O’Reilley	December 2023

TECHNICAL SKILLS

Languages : Python, SQL (Postgres, MySQL), basic JavaScript, HTML, CSS
ML Tech stack: NumPy, Pandas, Matplotlib, Seaborn
Frameworks: LangChain, CrewAI, LlamaIndex, Scikit-learn, TensorFlow, Keras, PyTorch
DevOps and API Tools : Git, GitHub, Docker, Kubernetes, Postman, FastAPI
Others : Data Modeling, Agile, Debugging, Exploratory Data Analysis, Mathematics, Probability and Statistics.

EXPERIENCE

AI Engineer / Cloudilic	January 2023 - February 2025
<ul style="list-style-type: none">- Developing various AI solutions for different clients.- Developing Chatbots and RAG systems, working with various API’s like OpenAI API and multiple LLM providers.- Developing a Purchase Order OCR system using Google’s Pytesseract OCR Engine.- Developing Cloudilic Studio platform, A friendly no-code AI platform that aims to make generative AI and AI accessible for different technical and non-technical user backgrounds.	
Data Analyst / Credify	July 2023- December 2023
<ul style="list-style-type: none">- Querying data from the company's database to filter, analyze and preprocess.- Parsing specific banks messages by entity extraction using regular expression patterns.- Applying and testing new templates to be integrated with the system.- Fixing new or existing template bugs.	

EDUCATION

Nile University	BS in Computer Science GPA : 3.5	August 2019 - September 2023
-----------------	------------------------------------	------------------------------

PROJECTS

Multimodal chatbot / Python, Anthropic, LangChain, FastAPI, streamlit	April 2024
<ul style="list-style-type: none">- Developed a FastAPI application integrating Langchain and Anthropic API- Handled multimodal input processing- Created a dynamic prompt generation system- Implemented robust error handling and input validation- Utilized environment variables for secure API key management	
Arabic OCR System / Python, pandas, pytesseract, langchain, openai, streamlit	Jan 2024
<ul style="list-style-type: none">- Multilingual OCR Integration: Implemented Optical Character Recognition (OCR) using Tesseract to support both English and Arabic text extraction from images.- Automated Text to CSV Conversion: Developed a seamless pipeline to convert extracted text into structured CSV format, suitable for tabular data representation.- OpenAI API Utilization: Leveraged OpenAI's language models to accurately parse and format text into CSV, ensuring high-quality and meaningful data output.- Dynamic Language Handling: Designed the system to dynamically accept and process images in different languages based on user input, enhancing flexibility and user experience.- Streamlit Integration for API Key Management: Utilized Streamlit's secret management for secure handling of API keys, ensuring the confidentiality of sensitive information.	