






Mohamed Sebaie


 www.linkedin.com/in/MohamedSebaie


 <https://mohamedsebaie.github.io/>

 <https://www.upwork.com/freelancers/~01e657ba3674d288c5>


 01 October 1994

 20 1010805540

 Cairo, Egypt

 mohamedsebaie1@gmail.com

 Military Status: Exempted

 github.com/MohamedSebaie

SUMMARY

A passionate and self-driven Machine learning Engineer with hands-on experience in machine learning and deep learning contributed to various projects in the fields of Computer Vision, NLP, and Data Science and aiming to pursue a career in this field and push my skills even further by joining a reputable and dynamic corporation to build a career, grow with, take on new challenges and working in a professional team.

CAREER

SENIOR ARTIFICIAL INTELLIGENC ENGINEER

AUGUST /2023 - PRESENT



Master-Works (AI Department) HYBRID

COMPUTER VISION RESEARCHER (DEEP FAKE DETECTION)

JUNE/2023 - PRESENT



WAKEB S.A. (R&D Department) REMOTE/PART TIME

PRESALES ENGINEER (ARTIFICIAL INTELLIGENCE DEPARTMENT)

JUNE/2022 - MAY/2023



SENIOR COMPUTER VISION ENGINEER

JUNE/2023 - DECEMBER /2023

egabi Solutions

COMPUTER VISION FREELANCER

MAY/2022 - PRESENT



The AI Matters · Freelance (Upwork)

MACHINE LEARNING ENGINEER TOP RATED

DEC/2021 - PRESENT



Upwork-Freelance (Job Success 100%)

TOP RATED Badge (the top 10% of talent on Upwork)

BIDDING AND TENDER ENGINEER

APRIL/2021 - APRIL/2022

BD ENGINEER

JULY/2019 - APRIL/2021



PIONEER Petroleum Services

INTERNSHIPS

COMPUTER VISION INTERN

DEC/2021 - FEB/2022



TECHNOCOLABS INDIA

MACHINE LEARNING INTERN

NOV/2021 - JAN/2022



ORANGE INNOVATION EGYPT

Post Graduate: The Artificial Intelligence Professional (AI-Pro) Program



INFORMATION TECHNOLOGY INSTITUTE (ITI)

FRENCH GRADUATE SCHOOL OF COMPUTER SCIENCE AND ADVANCED TECHNOLOGIES (EPITA).

APRIL/2021 - JANUARY/2022

- It is a 9-month post-graduate professional training program in Machine Learning and Artificial Intelligence.

Master of Science : Data Science and Artificial Intelligence

- M.Sc. in AI & Data Science at the FGSSR - Faculty of Graduate Studies for Statistical Research - at Cairo University.



MARCH/2024

Bachelor of Science : Suez University (Petroleum Engineering)

- Graduated with a 3.26 (Max 4.00) GPA and A+ in Graduation Project.
- Graduated in the Top 10% of Class.



OCTOBER/2012 - JULY/2017

High School Certificate (Science) : Mathematics

NOOR EL-SALAM PRIVATE SCHOOL

- Graduated with a 99.65% Grade and was Ranked 2nd in my class.
- Awarded The Ideal Student by The Minister of Education.



OCTOBER/2010 - JULY/2012

PUBLICATIONS

- Hybrid Time Series Model for Advanced Predictive Analysis in COVID-19 Vaccination. **PAPER**

COURSES

- **HCIP-Cloud Service Solutions Architect.**
- **AWS Certified** Data Analytics – Specialty. [Badge Link](#)
- **AWS Certified** Machine Learning Specialty. [Badge Link](#)
- Cloud Foundations and Machine Learning Foundations on **AWS Academy**.
- Deep Learning Specialization and Machine Learning Course by Andrew Ng on **Coursera**.
- Data Analysis Professional, Advanced Nanodegree Programs, and Data Analysis Course on **Udacity**.
- Data Scientist, Statistics Fundamentals, and Python Tracks with 6 Projects on **DataCamp**.
- Database Fundamentals, Java Development SE, and Introduction to Deep Learning on **MaharaTech**.
- Data Science, Machine Learning, and Deep Learning BootCamp with **Epsilon AI Institute**.
- Python for Everybody Specialization on **Coursera**.

PROJECTS

• Artificial Intelligence Projects :

1. **Video Analytics RFPs for Baseer AI Platform (Master-Works):** I have worked on many Tenders and RFPs in Saudi Arabia for how Baseer AI Platform can be used for visual pollution detection, Airports, oil and gas companies, etc.
2. **Large Language Models Projects:** I have worked on many Llm projects of making chatbots using GPTs, Llama, etc and integrate them with Database or chat with PDFs
3. **Video Analytics Tender** (Egyptian Governmental Project): the tender scope was car and person detection and tracking besides the license plate recognition from CCTV cameras and many other features. I have participated in the PoC of this project too.
4. **Ministry of Education Tender** (Egyptian Governmental Project): this tender was for an AI platform for all Egyptian universities. we worked aligned with AWS and Huawei Cloud.
5. **AI Lab Tender** (Egyptian Governmental Project): this tender is confidential but mainly about establishing an AI lab with the hardware and software resources required.
6. **Shipping Containers Tender** (Egyptian Governmental Project): this tender was for detecting, tracking, and counting shipping containers.
7. **Tanzania OSBP** (Global Tender): I was responsible for the license plate recognition and the whole project software.
8. **Turath Masr** (Egyptian Governmental Project): Digitization of all magazines and newspapers using AI for layout detection and OCR.
9. **OCR Projects for different clients using Azure or AWS or our Custom OCR.**

It should be noted that I led most of these tender's PoCs and deployed it as Docker containers on AWS, Azure, and Huawei Cloud

• End to End Projects, i have done:

1. Deep Fake Detection in Image and Video (**Real-time**)
2. Fight Detection from CCTV Cameras (**Real-time**)
3. Car Crash Detection from CCTV Cameras (**Real-time**)
4. Distracted Drivers Detection **deployed as an Android app**
5. Anomaly Detection from Videos **Using Swin Transformer**
6. Sign Language Detection **Using Swin Transformer**
7. Arabic Speech to Text and NER Projects besides **many projects in NLP using Transformers and LLM**
8. Arabic Dialect Identification NLP Task **using AraBert**

Different Projects on Upwork Like Drown and Swimming Detection, PotHoles Detection from Roads, Gender, Race, Age Detection, Bottles drop or Hold Detection, Earthquake Prediction, Blood Cells Classification, COVID Detection from X-ray Chest Images, Face Recognition, Amharic NER NLP, Text Classification with different NLP Algorithms, POS Tagging and NLP Tutor for 45 hours.



For the Below, Projects check the GitHub Repositories Link: [GitHub Link](#)

- Deep Learning Projects like Mask Detectors and Solar Radiation Prediction.
- Deploy Many Projects by **Flask and Streamlit on Heroku** (Cloud Application Platform).
- DataAnalysis for Wuzzuf DataSet by **Java, SpringBoot, WebServices, and TestClient**.
- **Scrape websites** like (Fluidex_Spain, Weather, Books, Exchange Rates, and Hostinger Webmail). and News Websites.
- ML Projects like eCommerce Purchase, Loan Approval Prediction, Rainfall Prediction in Australia, and Solar Radiation Prediction.
- Explore US Bikeshare Data, Wrangle and Analyze Data (WeRateDogs Twitter Account), and
- Investigate (Medical Appointment No Shows) Data on UDACITY.

TECHNICAL SKILLS

- Programming Technologies: C++, Python, Java SE, SQL, and NoSQL.
- Conceptual Knowledge: LLM, Data Science, Machine Learning, Computer Vision, NLP, OOP, Data Structure & Algorithms.
- **Tools:** Tableau, PowerBI, MYSQL, PostgreSQL, MongoDB, Cassandra, Redis, Neo4j, Orange, TalendStudio, Docker.
- DeepLearning and Its frameworks like PyTorch, TensorFlow, Keras, and Caffe.
- Deployment of ML and DL Models by Flask and StreamLite(or Docker Image) on Heroku Platform, Azure, Huawei, and AWS.
- Web Scraping by BeautifulSoup.
- Data Preprocessing through Feature Engineering and Extraction and Feature Transformations.
- Machine Learning and its libraries Scikit-Learn and Auto Sklearn.

LANGUAGE

- Arabic (Native)
- English (Professional)
- French (Limited)

INTEREST

- Boxing.
- Reading in New Technologies.
- Playing Chess, Bowling and Tennis Table and Watching Movies.