

Ahmed Ragab Saad Ragab

Machine learning Engineer


01014497687 | Giza, Egypt

ARagab410 (LinkedIn) | Ahmed41022 (github.com) | ahmedragab41022@gmail.com | Ahmed (Kaggle)

Education

- Oct 2018 – Jul 2023 **B.Sc. of Engineering,**
Electronics, Computers & Telecommunications Engineering Department, Helwan University
Grade: Good
- Oct 2004 – Jul 2018 **General Secondary Certificate in English Language**
Tabary Language School




Experience

- Software Engineer for AI Training Data** – Outlier AI – Remote May 2024 - Present
Python | Pandas | SQL | NumPy
Evaluating AI-generated code, solving coding challenges, and creating test cases. Reviewing and optimizing code, working on projects ranging from Python comparisons to app development and chatbot improvement.
- FlowNet 2**  – Upwork April 2024
PyTorch | OpenCV | CUDA C | NumPy | Git
Successfully reimplemented the Flowtorch 2 paper within a tight timeframe, preprocessed the dataset, and got results that received a 5-star rating, double payment, and positive feedback from the client for my work.
- Machine Learning Instructor** March 2024
Python | OpenCV | PyTorch | Image Processing | Automation
Instructed a team of undergraduates on a self-driving project, teaching essential machine learning concepts and best practices to ensure project success in online sessions.

Technical Skills

- Programming Languages:** Python, C++, Java (basic knowledge).
- Frameworks:** PyTorch, TensorFlow, Keras.
- Libraries:** Pandas, NumPy, FastAi, Hugging face Transformers, OpenCV, re, Scikit-learn, SciPy, Spacy, NLTK.
- Data Skills:** Speech Processing, SQL, Image Processing, Language Modeling, DSP, Plotly, Seaborn, PyQtGraph, Matplotlib.
- Other:** Object-Oriented Programming (OOP), Web Scraping, Linux, Git, AWS cloud services, Docker.

Other Projects

- Arabic Wojoood NER** Research Competition, May 2024
Collaborated with a team of researchers to develop a Named Entity Recognition (NER) system for the Arabic language, worked on preprocessing the dataset, pretraining different BERT models for testing, and worked on other deliverables.
- Natural Language Processing with Disaster Tweets**  Kaggle competition, April 2024
Utilized model ensembling techniques for numerous BERT models to improve prediction performance, achieving 84.6% accuracy in the competition, ranking 30th on the leaderboard.
- U.S. Patent Phrase to Phrase Matching**  Kaggle competition, April 2024
Fine-tuned Bert model and performed data preprocessing to achieve a score of 0.81 in the competition.
- Recycle Classifier**  Personal project, March 2024
Fine-tuned ResNet50 network on a custom dataset to classify waste images for recycling applications.
- ADAS Using V2X & Machine Learning (Funded by ITAC program)** Grad. Project, Sept.2022 – Jul. 2023
Led my team to enhance road safety and driving experience using deep learning & V2X capabilities, Deployed YOLO object detection algorithm on Edge device RPI using TensorFlow Lite, and performed dataset creation, cleaning, and loading.

Additional Information

Military service: Postponed.

Languages: Arabic (Mother tongue), English (Fluent).