Mennatullah Khaled Ebrahim

Cairo, Egypt | +20 1033988119 | 0xmenatullah@gmail.com
linkedin.com/in/menatullah-khaled | github.com/0xmennatullah

About

Junior ML Engineer specializing in computer vision, seeking AI/ML/DL internships to apply expertise to innovative solutions. Passionate about advancing AI through collaborative projects.

Education

El-Shorouk Academy — Cairo, Egypt
Bachelor's Degree in Computer Science, GPA: 3.8/4.0 — *Expected Graduation: 2026*

Certifications

AI/ML Professional Training — Information Technology Institute (ITI)
Aug–Sep 2025
- Mastered AI foundations, Python, ML, and deep learning via hands-on labs in Anaconda/Spyder. Earned Kaggle certifications in Intro to Deep Learning and Computer Vision.

Getting Started with Deep Learning — NVIDIA Deep Learning Institute
Sep 2025
- Completed 7 hands-on labs in PyTorch, including the Presidential Doggy Door project and Sign language Recognition, with data augmentation and quantization.

Deep Learning for Computer Vision (Self-Study) — UMICH (EECS 498-007)
Jul–Aug 2025
- Studied CNNs, object detection (YOLO), segmentation (U-Net), and modern architectures (ResNet, DenseNet, ViT).

Machine Learning Specialization — DeepLearning.AI / Coursera
Dec 2024 – Apr 2025
- Learned supervised/unsupervised learning, TensorFlow, and reinforcement learning via 20+ programming assignments in Python, NumPy, and scikit-learn.

Projects

FoodVision Mini (PyTorch ML Pipelines) — GitHub: Link
Self-Study (Daniel Bourke's PyTorch Tutorials) — *2025*
- Built an end-to-end computer vision pipeline in PyTorch to classify images of pizza, steak, and sushi using custom datasets, transfer learning (ResNet-50, Vision Transformer), and data augmentation, achieving 85%+ accuracy.
- Implemented data preprocessing, hyperparameter tuning, and model deployment for real-time food classification, tracked experiments using Weights & Biases.

Presidential Doggy Door — NVIDIA Deep Learning Institute
NVIDIA Labs — *2025*
- Trained CNNs (VGG-16, ResNet-50) to distinguish presidential dogs (e.g., Bo Obama) from other animals using transfer learning and data augmentation, achieving 85–90% accuracy.

Machine Learning Fundamentals — GitHub: Link
Coursework & Self-Study — *2024 – 2025*
- Applied ML techniques (regression, clustering, PCA, model selection) using scikit-learn on datasets like Iris, Wine, Breast Cancer, and House Prices, achieving 90%+ accuracy.
- Coded classification algorithms (Logistic Regression, K-NN, SVM, Kernel SVM, Naive Bayes, Decision Tree, Random Forest) and clustering (K-Means) from scratch in Python.

Technical Skills

Programming: Python, C#, GDScript, Jupyter Notebooks, VS Code
Data Science: NumPy, Pandas, Matplotlib, Seaborn, Data Cleaning, EDA
Machine Learning: scikit-learn, Regression, Classification, Clustering, PCA, LDA, XGBoost, Grid Search, K-fold CV
Deep Learning: TensorFlow, PyTorch, Neural Networks (CNN, RNN, LSTM), Object Detection (YOLO), Segmentation (U-Net)
Soft Skills: Communication , Collaboration, Problem-Solving, Leadership