

# Mennatullah Khaled Ebrahim

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## ABOUT

Computer vision researcher with hands-on experience in deep learning and generative AI. Focused on vision transformers, multimodal models, and visual perception systems. Seeking computer vision research opportunities.

## EDUCATION

### El-Shorouk Academy

*Bachelor's Degree in Computer Science, GPA: 3.8/4.0*

Cairo, Egypt

*Expected Graduation: 2026*

## EXPERIENCE

### Digital Egypt Pioneers Initiative (DEPI)

*Research Intern – Generative AI Track*

Cairo, Egypt

*Nov 2025 – Present*

- Elite 6-month program: vision transformers, generative models, image synthesis with PyTorch/TensorFlow.

### Information Technology Institute (ITI)

*AI Trainee*

Cairo, Egypt

*Aug–Sep 2025*

- AI/ML/DL foundations, computer vision. Kaggle certifications: Deep Learning & Computer Vision.

## CERTIFICATIONS

### Getting Started with Deep Learning

*Sep 2025*

NVIDIA Deep Learning Institute

### Artificial Intelligence Professional Training

*Aug–Sep 2025*

Information Technology Institute (ITI)

### Machine Learning Specialization

*Dec 2024 – Apr 2025*

DeepLearning.AI / Coursera

## RELEVANT COURSEWORK

### Hands-On Machine Learning with Scikit-Learn, Keras & TensorFlow (Self-Study) Aurélien Géron

*Oct 2025 – Present*

### Deep Learning for Computer Vision (Self-Study)

*Jul–Aug 2025*

UMICH EECS 498-007

## PROJECTS

### FoodVision Mini – PyTorch CV Pipeline

*2025*

GitHub: [Link](#)

- End-to-end image classification using ResNet-50 & Vision Transformer with transfer learning, 85%+ accuracy.

### ML Algorithms from Scratch

*2024–2025*

GitHub: [Link](#)

- Implemented Logistic Regression, K-NN, SVM, Naive Bayes, Decision Tree, Random Forest, K-Means 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), Vision Transformers

**Soft Skills:** Communication, Collaboration, Problem-Solving, Leadership, Research