Mohamed Abdullah Mohamed Mohamed

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SUMMARY

Proactive Computer Science graduate with hands-on experience in AI and ML projects, including chatbot and translation systems using NLP techniques. Strong interest in Generative AI. Seeking an AI/ML internship to contribute to innovative solutions leveraging.

EDUCATION

Computer Science

Higher Technological Institute · Egypt - 10th of Ramadan - Sharkia · 2025

PROJECTS

Tomato Leaf Classifier

Freelance Project · github.com/mohamedelgenidy/Tomato-Leaf-Classifier-EfficientNet · October 2025 – November 2025

· 1– Developed a binary image classifier to distinguish between images containing tomato leaves and those without (fruit, soil).
· 2– Leveraged Transfer Learning by fine-tuning a pre-trained EfficientNetB4 model on a custom-built dataset.
· 3– Engineered a robust training pipeline that incorporated advanced data augmentation and regularization techniques, resulting in improved classification accuracy and model generalization on diverse agricultural imagery.

Medica Healthcare Project

Higher Technological Institute · Grade: A · December 2024 – May 2025

· 1– Medica Lung Cancer Predictor: Implemented a Random Forest classifier to predict lung cancer risk (Malignant/Negative) based on a 15-point patient symptom survey (https://github.com/mohamedelgenidy/Medica-Lung-Cancer-Predictor).
· 2– Lung Cancer Classification: Developed a 3-class CNN to classify lung histopathology images into Benign, Adenocarcinoma, and Squamous Cell Carcinoma (https://github.com/mohamedelgenidy/Lung-Cancer-Classification).
· 3– Colon Cancer Classification: Built a Convolutional Neural Network (CNN) to classify histopathology images as malignant (Adenocarcinoma) or benign (https://github.com/mohamedelgenidy/Colon-Cancer-Classification).

CERTIFICATIONS

Artificial Intelligence (AI)

NTI · 2024

· Gained practical experience in core AI concepts, including NLP models, Transformers, and model optimization.
· Developed and implemented AI projects utilizing Python, TensorFlow, and PyTorch

Data Science & Machine Learning (AI)

CLS · 2023

· Focused on data analysis, predictive modeling, and implementing ML algorithms using Python.
· Acquired practical skills in data manipulation and model evaluation to solve complex problems.

COURSEWORK

Python for Data Science and Machine Learning

Udemy · 2024

· Completed a specialized online course focusing on practical Python applications in Data Science and ML.
· Mastered key libraries such as Pandas, NumPy, Matplotlib, and Scikit-learn for data analysis and model building.

SKILLS

Technical Skills

· **Programming Languages:** Python, Dart, HTML, CSS, JavaScript
· **AI & Machine Learning:** TensorFlow, PyTorch, Scikit-learn
· **Deep Learning:** CNNs, RNNs, Transformers
· **Data Science & Visualization:** Pandas, NumPy, Matplotlib
· **Natural Language Processing (NLP):** Tokenization, Embeddings, Sequence Models

Professional Skills (Soft Skills)

· Strong Analytical & Problem-Solving Abilities
· Effective Communication & Teamwork
· Quick Learner with a Passion for AI Innovation