

Mohanad Yehia

Machine learning & Agentic AI

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SUMMARY

Experienced AI and Machine Learning Instructor with a strong technical foundation in AI and ML. Expert in crafting engaging, project-based curricula using TensorFlow, PyTorch, and Scikit-Learn. Committed to simplifying complex concepts and nurturing practical skills in students. Passionate about inspiring the next generation of AI practitioners.

PROFESSIONAL EXPERIENCE

Huawei, Communication Engineer

11/2023 – present

Ensured sites were clear of any shooting or cross-interference, optimized coverage for transmission power, and verified technologies like CSFB and VoLTE for optimal performance.

Cairo, Egypt

EDUCATION

Modern Academy for Engineering and Technology

2018 – 2023

Bachelor of Engineering in Electrical, Electronics, and Communications Engineering

Cairo, Egypt

SKILLS

Python | Machine Learning | Sci-kit learn | Data preprocessing | Pandas | Numpy |
Exploratory data analysis | Matplotlib | Seaborn | Deep Learning | Tensorflow | Keras | PyTorch |
CNN | Natural Language Processing | NLTK | RNN | LSTM | Teamwork | Adaptability

PROJECTS

Tweets Sentiment Analysis using LSTM

- Analyzed the sentiment of 1.6 million tweets cleaned, tokenized, and embedded the text data, trained an LSTM network to handle sequential data, and captured sentiment trends effectively.

Stock Price Prediction with LSTM Neural Networks

- Implemented an LSTM-based model using Tensorflow to analyze historical data and predict stock prices

CNN classification on the data set Skin Cancer: Malignant vs. Benign

- Used transfer learning to classify skin cancer images, with ResNet50V2 and TensorFlow

Fraud Detection with Deep Learning

- Developed a Fraud Detection model using Deep Learning trained on a large dataset, achieving high accuracy metrics: training accuracy of 0.99611, validation accuracy of 0.99918, and an accuracy score of 0.99897 on test data.

Customer churn

- Developed predictive models to identify customer churn on banking dataset and telecom dataset.

Identifying and tracking people inside malls using AI technology via the VLC system, Graduation Project

Developed face recognition system using Siamese networks, achieving 97% accuracy with efficient runtime performance.

CERTIFICATES

Principles of communication and computer

Innovative Egypt Program (ITIDA)

Developed a project for a potential startup

Deep Learning Fundamentals

Create a Voice Assistant With OpenAI's GPT and IBM Watson

Deep Learning With Tensorflow