Moaaz Sherine Hamed

Waraq, Giza, Egypt
moaazhammad36@gmail.com | 01554914383
LinkedIn | GitHub | Kaggle

Professional Summary:

Data Scientist with foundational knowledge in data analysis, statistical modeling, and machine learning. Seeking to apply these skills in real-world projects while continuing to develop expertise in more advanced techniques.

Education:

Bachelor of Computer Science from Higher Institute of CS   (Sept 2021 – Jun 2025)
- Major: Data Scientist, Data Analyst

Work Experience:

Data Scientist Engineer Freelancer, Upwork   (Jan 2023 – Now)

• Developed a skin cancer detection model that achieved a 95% accuracy, assisting in early diagnosis and potential reduction in medical examination times.
• Conducted data visualization for electrical data analysis, leading to a 15% improvement in anomaly detection by providing clearer insights into consumption patterns.

Data Scientist Internship, CodSoft   (Aug 2023 – Sept 2023)

• Improved customer churn prediction accuracy to 87% by optimizing the machine learning pipeline, contributing to potential revenue retention of 12% for targeted clients.
• Increased heart attack prediction model accuracy to 89%, enhancing the model's reliability in predicting critical medical conditions.

Projects:

• **Emotion Recognition Using CNN**
Developed a Convolutional Neural Network (CNN) model to accurately detect and classify human emotions based on facial expressions in images.
Technologies: Python, TensorFlow, Keras, OpenCV
Link: Emotion Recognition Project

• **Interactive PDF Q&A System with Streamlit and Google Generative AI**
Built an interactive system that allows users to ask questions about PDF content, leveraging Google's Generative AI for precise responses.
Technologies: Python, Streamlit, Google Generative AI, PyPDF2
Link: Interactive Q&A System Project

• **Real-Time Speech Recognition with Your Microphone**
Created a real-time speech recognition tool that transcribes audio from a microphone into text, suitable for real-time applications.
Technologies: Python, SpeechRecognition library, PyAudio
Link: Real-Time Speech Recognition Project

• **Sea Life Classification with EfficientNetB5**
Implemented a deep learning model using EfficientNetB5 to classify various species of sea life in underwater images.
Technologies: Python, TensorFlow, Keras, EfficientNetB5, OpenCV
Link: Sea Life Classification Project

Trainings and Courses:

- AWS Machine Learning Engineer Trainee, DEBI (160 hours)   (Jun 2024 – Oct 2024)
  - AWS Academy Cloud Foundations
  - AWS Academy Cloud Architecting
  - AWS Academy Machine Learning Foundation
  - MLOps Tools: MLflow and Hugging Face
  - AWS Academy Machine Learning for NLP Prompt Engineering

- Machine Learning Specialization, Coursera (94 hours)   (Nov 2023 - Des 2023)
  - Supervised Machine Learning: Regression and Classification
  - Advanced Learning Algorithms
  - Unsupervised Learning, Recommenders, Reinforcement Learning

- AI Diploma, Instant (180 hours)   (Jan 2023 - June 2023)
  - Python for AI & Mathematics
  - Data Analysis & Data Science
  - Machine Learning & Deep Learning

Skills:

Technical Skills:

- Machine Learning & Deep Learning
- Programming Languages: Python & SQL
- Data analysis: Data Visualization, Data Cleaning, Microsoft Power BI
- Frameworks: Scikit-learn, TensorFlow
- Automation & Web Scraping
- Web Development Frameworks: Django, Flask

Languages

- Arabic: Native
- English: Intermediate