Komai Alfares

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About Me

Artificial Intelligence graduate from the Faculty of Informatics Engineering, Damascus University, with strong academic foundations and practical experience in machine learning, NLP, recommender systems, and deep learning. Certified by DeepLearning.AI and the University of Illinois, I have completed hands-on projects in sentiment analysis, computer vision, predictive modeling, and geospatial data analysis. Skilled at translating complex data into actionable insights through advanced analytics and visualization. Passionate about leveraging AI to solve real-world problems and currently seeking internship opportunities in AI/ML and data analytics.

Education

B.Sc. **in Artificial Intelligence and Natural Language Processing**, Faculty of Informatics Engineering
Damascus University – 2020 to 2025

Relevant Courses & Certificates:

- **Text Mining and Analytics** – University of Illinois Urbana-Champaign **Certificate**
- **Text Retrieval and Search Engines** – University of Illinois Urbana-Champaign **Certificate**
- **Data Visualization** – University of Illinois Urbana-Champaign **Certificate**
- **Machine Learning Specialization** – DeepLearning.AI, Stanford University **Certificate**
  Unsupervised Learning, Recommenders, and Reinforcement Learning – DeepLearning.AI, Stanford University **Certificate**
- **Advanced Learning Algorithms** – DeepLearning.AI, Stanford University **Certificate**
- **Supervised Machine Learning: Regression and Classification** – DeepLearning.AI, Stanford University **Certificate**

Projects

- **YouTube RAG Chat** – Interactive app that enables intelligent conversations with YouTube videos using Retrieval-Augmented Generation (RAG) and LLMs**.** Link
- **Crime analysis in Los Angeles** – Applied data mining and machine learning techniques for exploratory data analysis, clustering, and predictive modeling on crime datasets. Link
- **Sales Data Analysis** – Full Tableau sales and customer analysis in professional interactive Dashboard
- **Intelligent Monitoring System for Premature Infants** – Smart healthcare project leveraging computer vision and fuzzy logic to monitor premature infants, detect critical medical conditions in neonatal incubators, and provide real-time. Link
- **Washington DC Bike Share Challenge** – Data Mining & Predictive Analytics. Link

Skills

- **Programming & Tools**: Python, TensorFlow, PyTorch, Scikit-learn, NumPy, Pandas, Matplotlib, Seaborn, GeoPandas, Jupyter, Streamlit, LangChain
- **Machine Learning & AI**: Supervised & Unsupervised Learning, Reinforcement Learning, Neural Networks, Decision Trees, Recommender Systems, Anomaly Detection, Predictive Modeling
- **Natural Language Processing (NLP)**: Text Mining, Sentiment Analysis, Text Retrieval, Feature Engineering, Tokenization, NLP Pipelines, Retrieval-Augmented Generation (RAG), Large Language Models (LLMs)
- **Data Mining & Analytics**: Exploratory Data Analysis (EDA), Crime Data Analysis, Time-Series Forecasting, Cluster Analysis, Regression, Geospatial Analytics, Data Visualization
- **Computer Vision**: Image Classification, Object Detection, Deep Learning Models for Vision Tasks.
- **Microsoft Excel & Google Spreadsheets**
- **Other Skills**: Communication, Leadership, Problem Solving, Data-Driven Insights, Time management.

Language

- **Arabic**: Native
- **English**: B2 (Upper Intermediate)