

Yahia Elsherif

Data Analyst

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SKILLS

Programming Languages

Python, R, Java, Git, C++

Natural Language Processing

text classification, semantic search, topic Modeling, LDA, text summarization, sentiment analysis, chatbots, Large Language Models

Data Analysis

PowerBI, Microsoft Excel, forecasting, Data wrangling, interactive dashboards

Machine Learning

Sklearn, Tensorflow, Keras, PyTorch

EXPERIENCE

Data Scientist, Epsilon AI Institute

Spearheaded projects as the inaugural Data Science at EpsilonAI.
Managed end-to-end project lifecycles, ensuring seamless execution. 2021 Nasr City, Egypt
Simplified complex research papers for public consumption on Epsilon's Facebook and LinkedIn pages, providing links for further reference.

PROJECTS

Cryptocurrency Market Analysis

Conducted comprehensive analysis of Bitcoin price trends, including calculation of key technical indicators such as 20-day and 50-day Simple Moving Averages (SMAs), aiding in trend identification and decision-making.

Time Series Forecasting

Using ARIMA, I forecasted monthly sales for a retail company by analyzing historical sales data, aiding in inventory planning and revenue projections. The dataset contained date and total sales amount variables, offering insights into sales trends.

Customer Segmentation and Analysis Dashboard

Developed a Customer Segmentation and Analysis Dashboard using Power BI. Integrated data from multiple sources, utilized advanced DAX calculations for customer segmentation, and created complex visualizations to analyze customer behavior, preferences, and lifetime value.

Image SuperResolution

Using PyTorch enhances low-resolution images using a combination of the ESRGAN super-resolution architect and the YOLO object detection refines outputs by removing noise and ensuring visually sharper results.

Fuzzy C-mean

Implementing the Fuzzy C-means clustering algorithm for data segmentation, offering a flexible and adaptive approach to group similar data points based on membership degrees, facilitating pattern recognition and analysis.

EDUCATION

Cairo University | Faculty of Computers and AI

Artificial Intelligence Dep.

9.2019 - 6.2024