Yahia Elsherif

Data Scientist

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Technical Skills

- Programming Languages
  - Python, R, C++
- Libraries
  - Pandas, Matplotlib, SciPy, Seaborn, Pandas
- Machine Learning
  - TensorFlow, PyTorch, Scikit-learn, Keras
- Data Analysis
  - Excel, PowerBI, Tableau, Forecasting, Data Wrangling
- Data Base
  - MySQL, Oracle, SQL Server Management Studio (SSMS)
- Data Warehousing
  - Apache NiFi, Informatica, Microsoft SSIS

Professional Experience

Data Analyst Intern, Epsilon AI Institute
5.2023 - 8.2023

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

Projects

Image Super Resolution (Grad Project: A+)

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.

Network Performance Analysis and Predicting

Using Seaborn and Matplotlib for making EDA (Exploratory Data Analysis) and visualization, then using Scikit Learn for making Random Forest model for predicting effect of actions on specific features

Bicycle Renting Analysis using Excel

Conducted data analysis on a bicycle rental dataset using Excel, applying pivot tables, charts, and statistical functions to identify usage patterns and trends. Generated actionable insights for optimizing rental operations and enhancing customer satisfaction.

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.

Education

Faculty of Computers and AI, Cairo University
9.2019 - 6.2024

Artificial Intelligence Dep. (GPA: 2.55)