Ahmed Bassuny

Machine Learning Engineer

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PROFILE

Machine learning engineer with a great passion for machine learning. Have a one year of educational experience working individually and with a team on machine learning projects.Eager to apply my knowledge to real-world problems and contribute to innovative projects. Seeking a challenging role to develop my skills and gain hands-on experience in the field of AI

EDUCATION

Bachelor's Degree in Computers & Artificial Intelligence, Benha University 2018 – 2022
Benha, Egypt

PROFESSIONAL EXPERIENCE

Internship at CodeAlpha May 2024 – August 2024

- Gained practical experience in machine learning at CodeAlpha by cleaning and preprocessing data, engineering features,evaluating model performance, and deploying models using web framework Laravel.
- Collaborated effectively with cross-functional teams.

Outlier, Machine learning engineer August 2024 – present

- Developed and deployed machine learning models to solve complex business problems.
- Collaborated with cross-functional teams to design, implement, and optimize machine learning solutions.
- Contributed to the development of data pipelines and infrastructure to support machine learning initiatives.

PROJECTS

Stock Market Prediction Website

- A website made with machine learning tools and a strategy for predicting the future value of a company's stock or other financial instrument.

Car price prediction model

- Developed a machine learning model to predict used car prices. Utilized advanced machine learning algorithms to analyze the relationship between features like car make, model, year, mileage, and engine specifications. Improved model accuracy through data cleaning, preprocessing, and feature engineering.

Boston Housing Price Prediction Model

- Leveraged machine learning techniques to predict Boston housing prices. Developed a linear regression model to analyze the relationship between various features taxes and housing prices. Improved model accuracy through data preprocessing and feature engineering.

Polynomial Regression Economy of Scale

- Developed a Polynomial Regression model to analyze the relationship between economies of scale and production costs. Utilized a dataset containing information on production volume and corresponding costs. Improved model accuracy through data cleaning, preprocessing, and feature engineering.

KMeans Clustering in Customer Segmentation

- Developed a K-Means Clustering model to segment customers based on their purchasing behavior and demographic information. Utilized a dataset containing customer features such as age, income, and purchase history. Identified optimal clusters using techniques like elbow method and silhouette analysis.

SKILLS

python • Data Preprocessing • Feature Engineering • Model Evaluation • Data Pipelines • Scikit-learn • PyTorch • Keras • TensorFlow • MySQL • Laravel • RESTful API • Linux OS

LANGUAGES

English
Fluent

Arabic
Native