

Noor Zalouk

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Projects

Math Articles Classifier ([GitHub](#)):

Fine-tuned Multilabel-Classifer DistilBERT model on Wikipedia math articles from [The Mathematics Portal](#) collected using Apache Airflow for orchestration. The model achieved (F1-Micro: 0.86, F1-Macro: 0.84) and is deployed on AWS EC2 instance [Here](#)

Chess Engine with Transformers ([GitHub](#)):

Built an Encoder-only transformer that takes current chess board as input then outputs next move using PyTorch for training and MLflow for experiment-tracking

House Prices Prediction ([Kaggle](#)):

Built a regression model using both linear (Ridge, Lasso, PCA) and non-linear (XGBoost, LightGBM, CatBoost) techniques to predict the final sale price. Achieved a top 10% ranking in the competition.

Skills

Languages: Python, SQL

Tools and Frameworks: Git, Docker, PyTorch, Scikit-learn, XGBoost, NumPy, Pandas, Matplotlib, Hugging Face, MLflow, Apache Airflow, AWS

Applications: Machine Learning, Deep Learning, Data Visualization, NLP, Data Pipelines

Education

University Degree | Bachelor of Chemistry

Kafr Elsheikh | 2020-2024

- Cumulative Percentage: 84.2%
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Certificates

[Google Drive](#)