TASK 1

FINANCIAL TIME-SERIES ANOMALY DETECTION

DATASET PREPROCESSING STEPS.

1-LOADING DATASET AND DROP NULL COLUMNS OR ROWS AND RENMAE COLUMN NAMES.
2-PERFORMING EDA.

MODEL SELECTION AND RATIONALE.

1-USED LSTM AND CALCULATION FINANCIAL INDICATORS

2-IMPLEMENT MDATES,ISOLATION FOREST,DBSCAN,STANDARD SCALAR,LSTM

CHALLENGES FACED

1-prepare lstm data and split data specially. build and train model

2-visualization results

SOLUTION

1-TO DIVIDE PROBLEM INTO STEP BY STEP BUT TIME-TAKING
2-CHECK ARTICLES AND HELPING FROM AI TOOL

RESULTS WITH VISUALIZE

1-RESULTS OF DIFFERENT MODELS