Raw Healthcare Dataset

Data Cleaning and Label Encoding

Feature Scaling (StandarScaler)

Reshape Data for LSTM Input (3D)

Train-Test Split(80/20)

Build LSTM Model

Dropout

Dense

LSTM

Dropout

LSTM

Input

Compile Model(Adam, Binary CrossEntropy)

Train Model with EarlyStopping & LearningRateScheduler

Stratified K-Fold Cross Validation

Patients of

1.Risky 2. Non Risky

Model Evaluation

(Accuracy, Precision, Recall,F1 Score, ROC AUC)