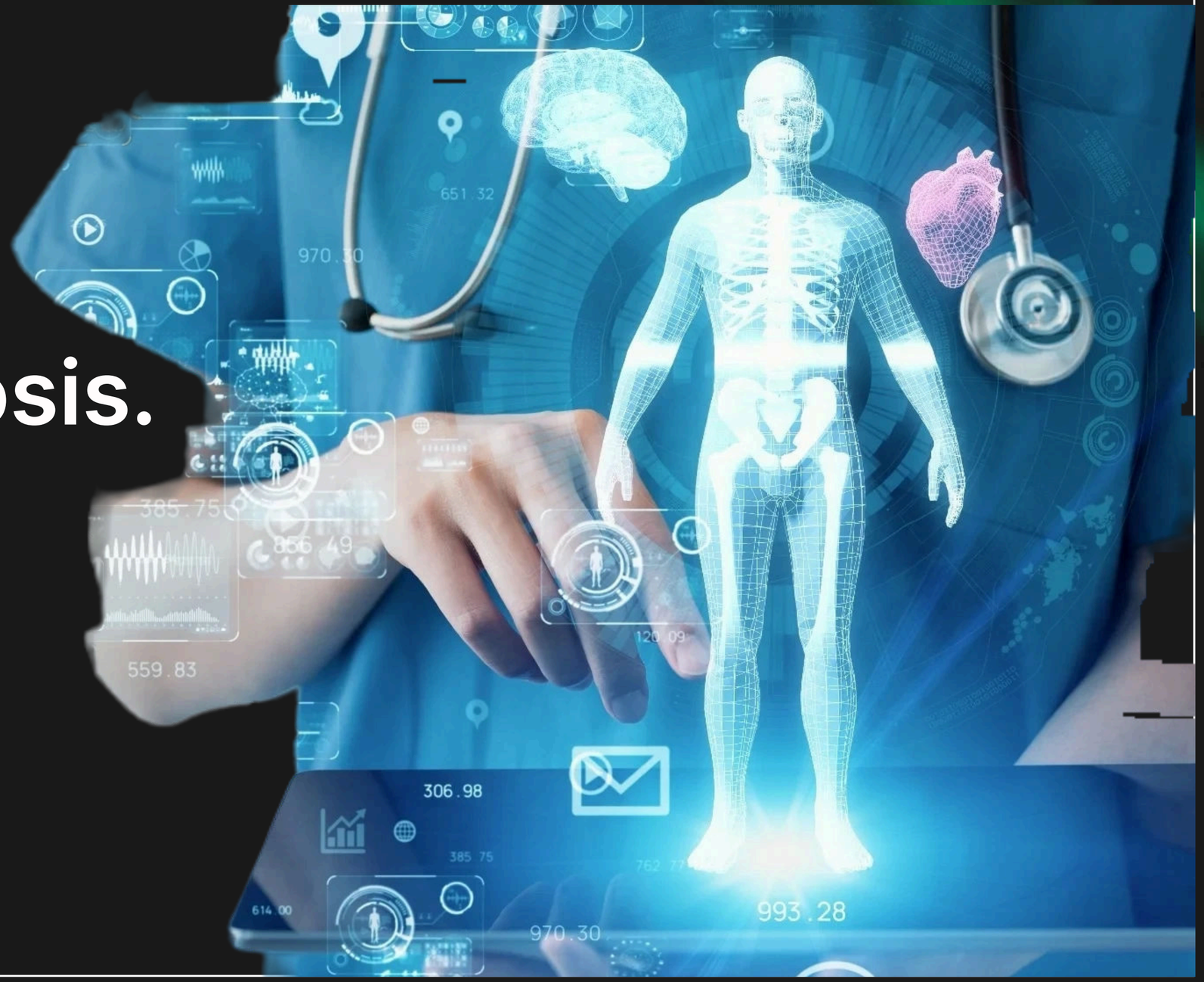
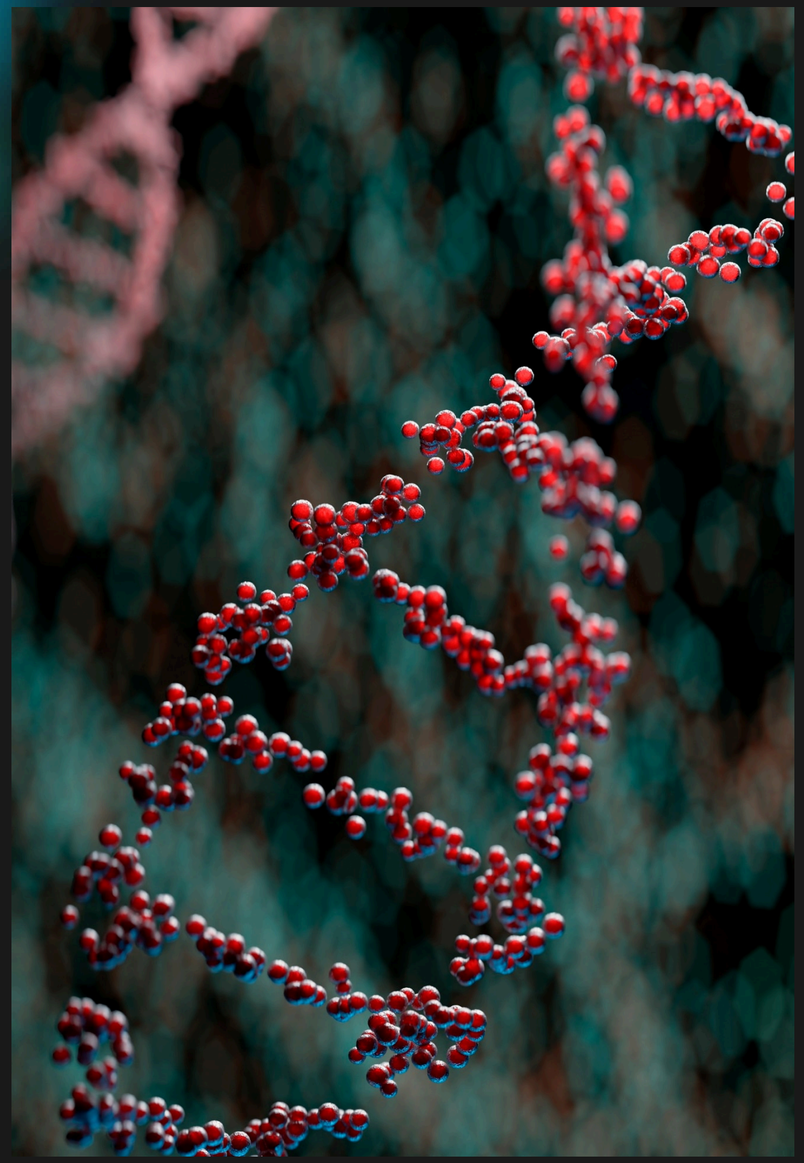
Medical Diagnosis.



Introduction

Create a model to predict diseases and suggest prescriptions based on patient problems.



Text Preprocessing

-Tokenizer Initialization
-Fitting Tokenizer on Data
-Padding Sequences

Model in project

LSTM (Long Short-Term Memory): A type of recurrent neural network (RNN) architecture.Purpose: Efficiently process and predict sequences of data, especially useful for time series and natural language processing tasks.

Training the Model

Split data into training and validation sets, train the model with specified hyperparameters, and evaluate performance on validation d

Advantages and Disadvantages

Advantages:

Accurate predictions via neural networks and automated processes streamline diagnosis, saving healthcare professionals time.

Disadvantages:

Relies on data quality and quantity; demands substantial computational resources and expertise in neural network design and implementation

Conclusion

Developed a robust medical prediction model with TensorFlow and Keras, poised to revolutionize healthcare efficiency and accuracy.

Thanks!

Do you have any questions?

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Samer
Mohamed