

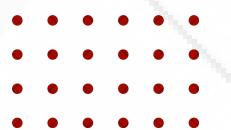
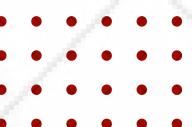


EDS-6397

NATURAL LANGUAGE PROCESSING

Project Presentation

Question Answering System



Presented by:

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Comparision between the models which we built

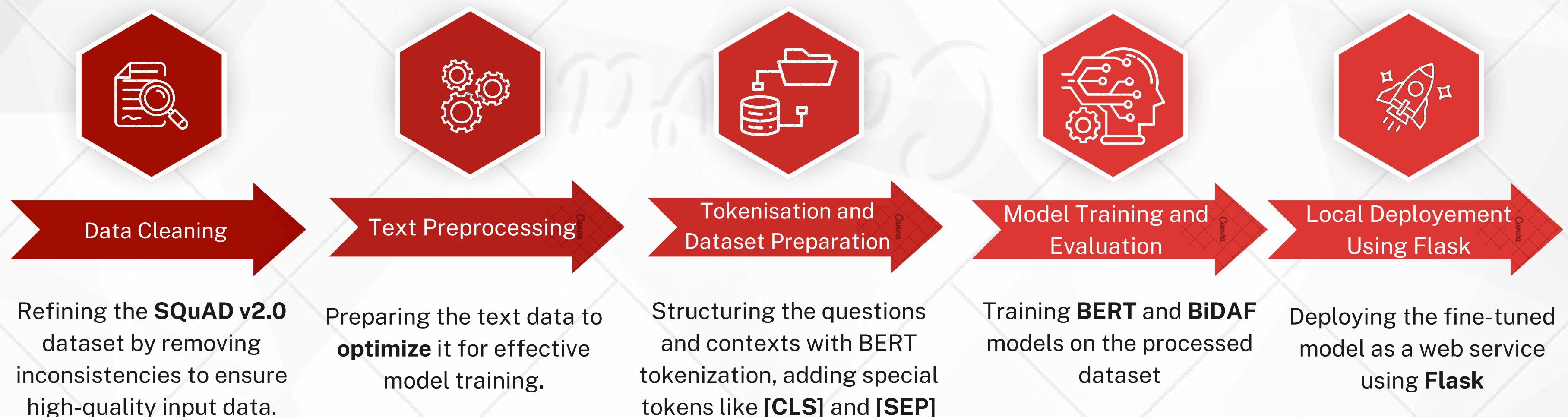


Best Model Deployment

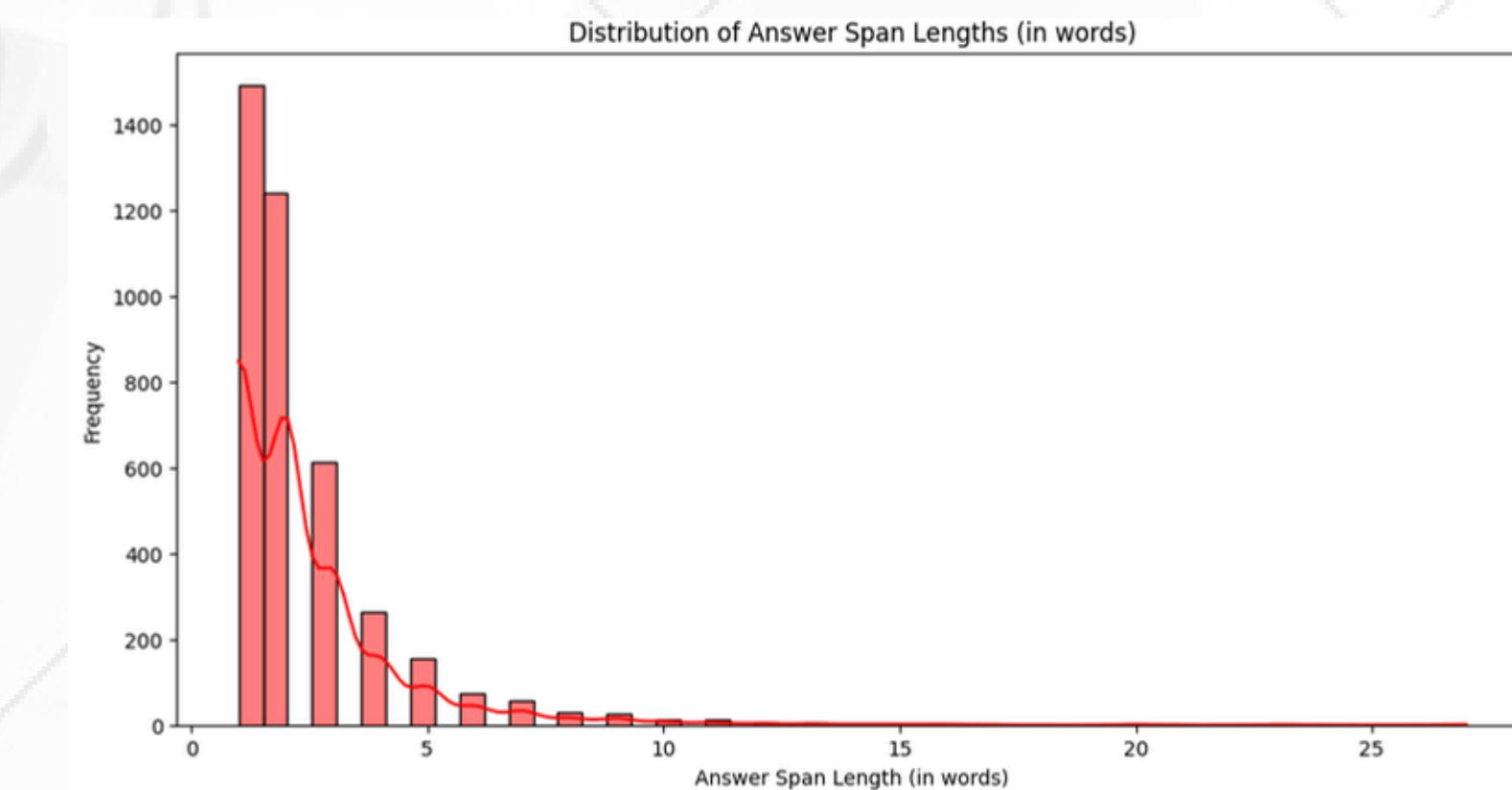
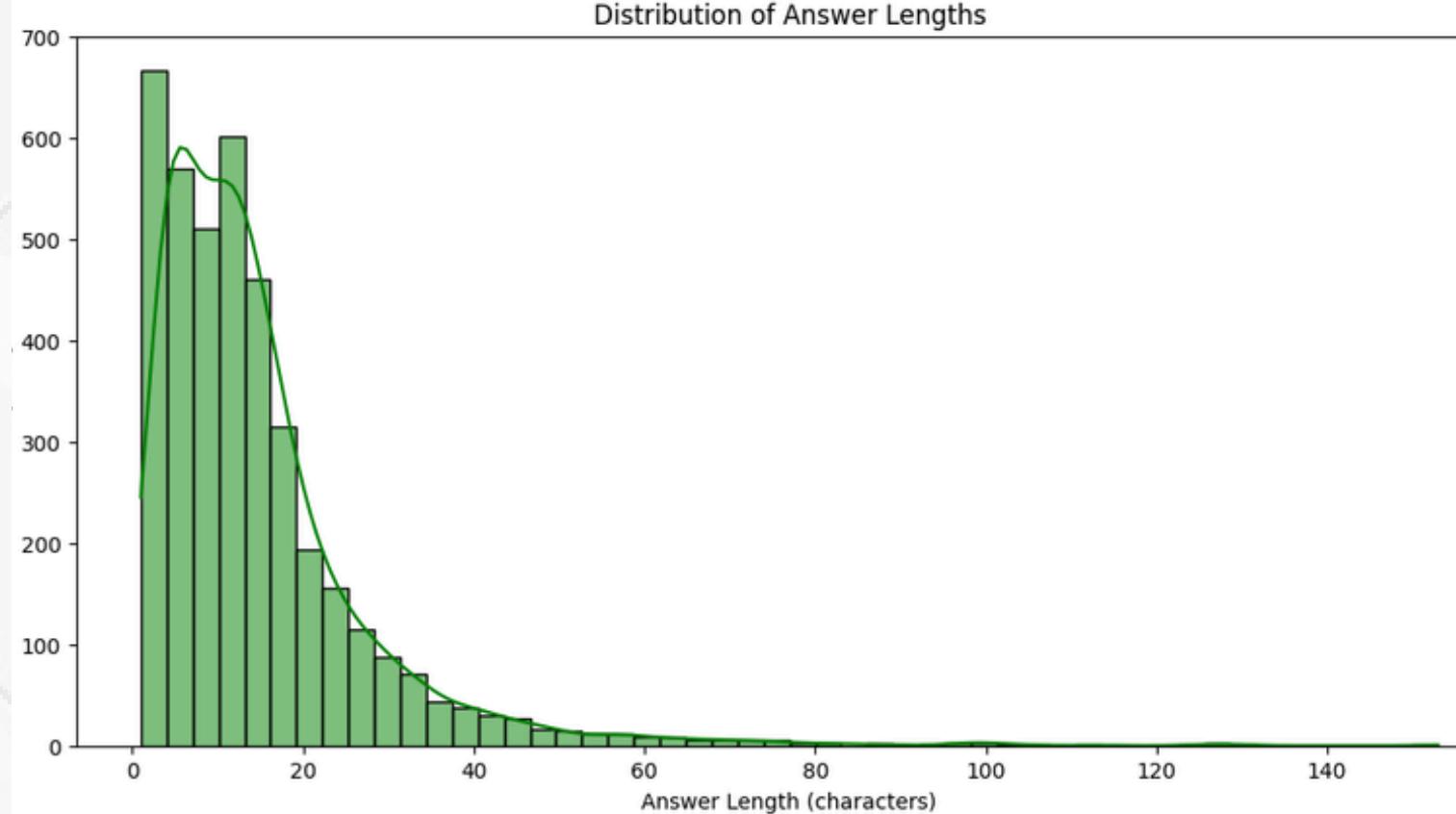
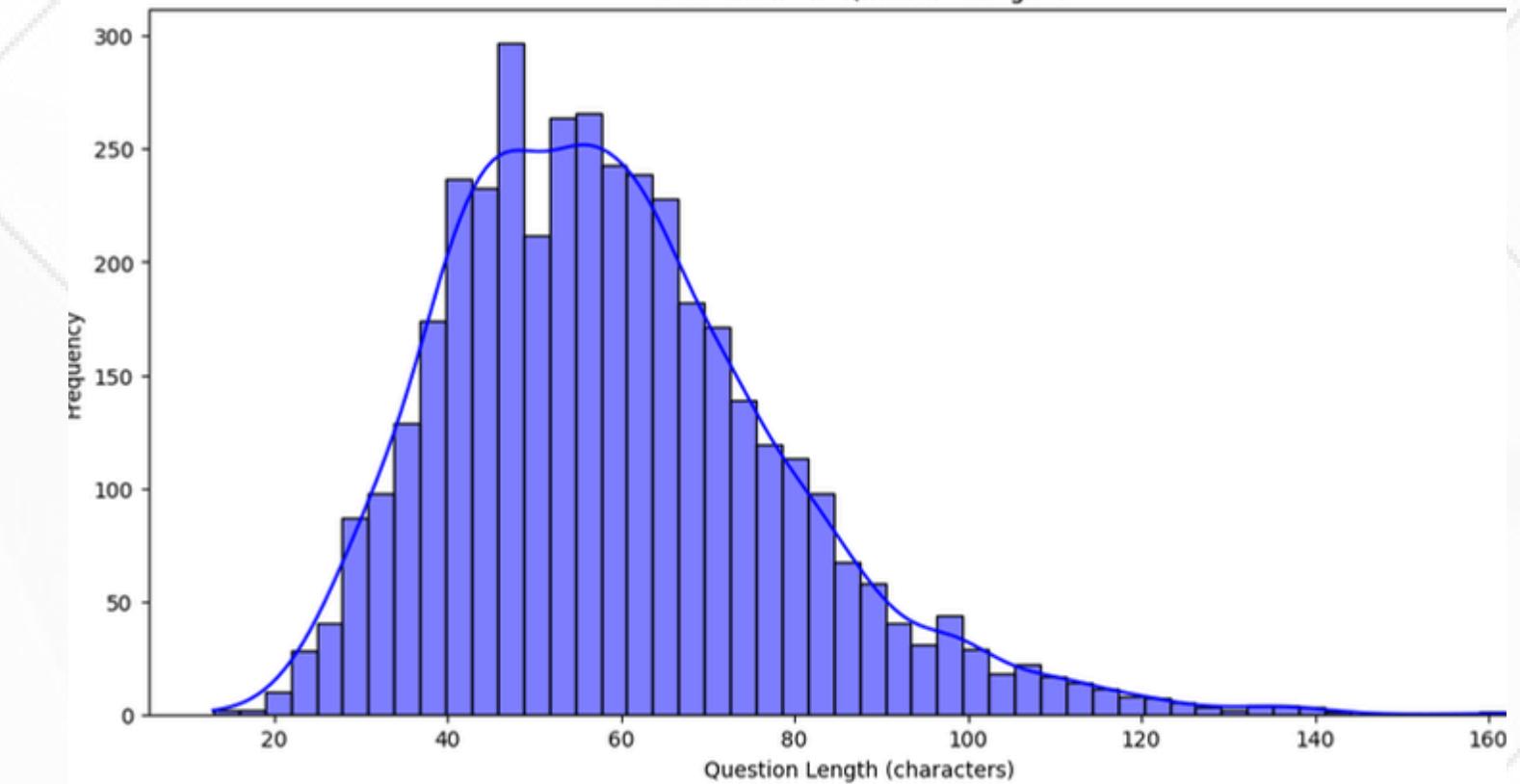
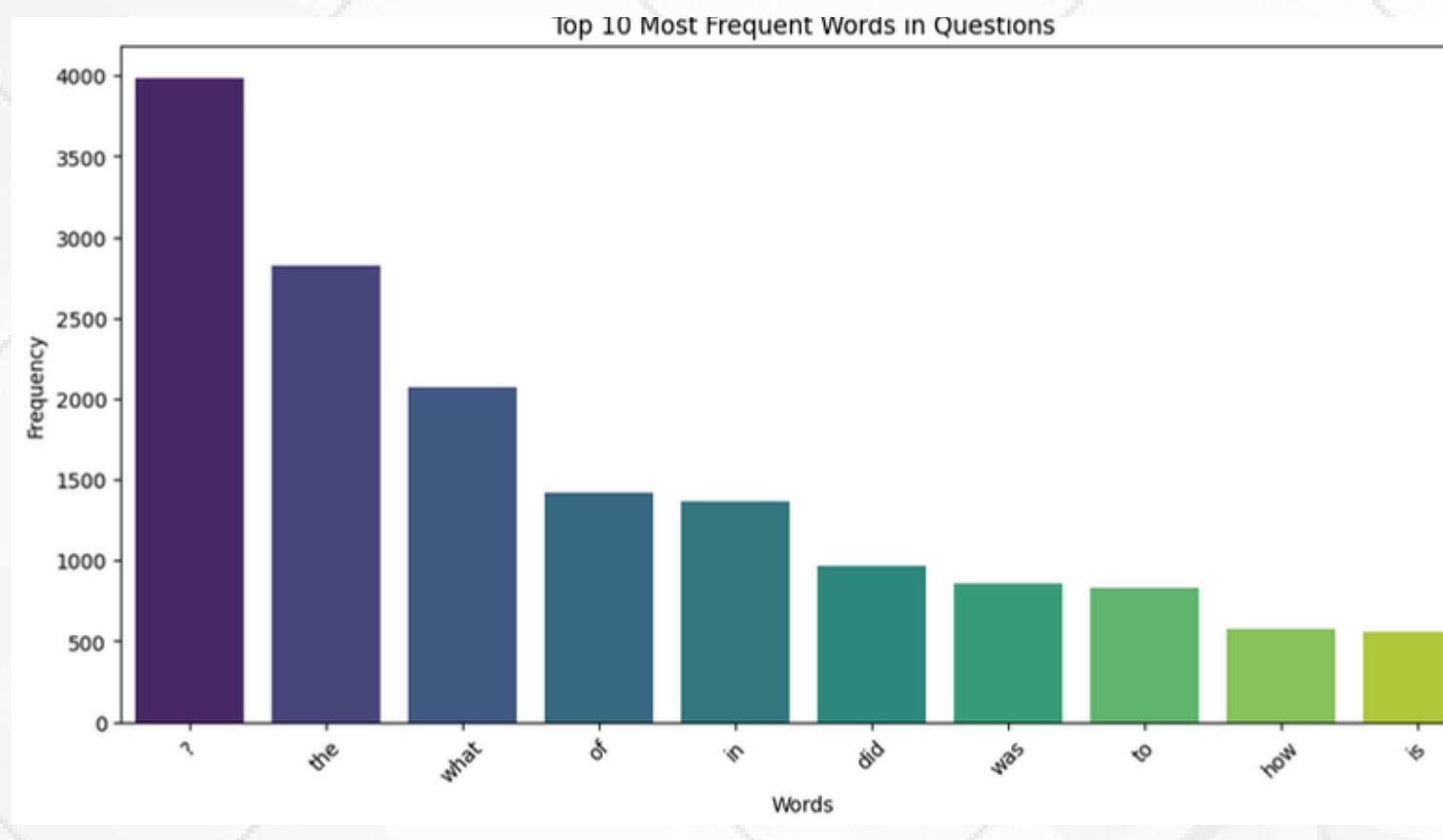
Used Flask to Deploy the Model in the Local Environment



Work Flow of Our Project



Exploratory Data Analysis of Squad v2.0

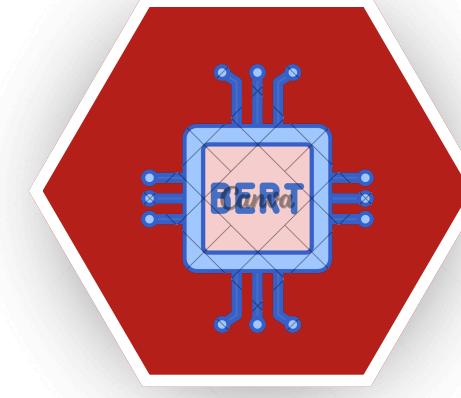


Model Configurations



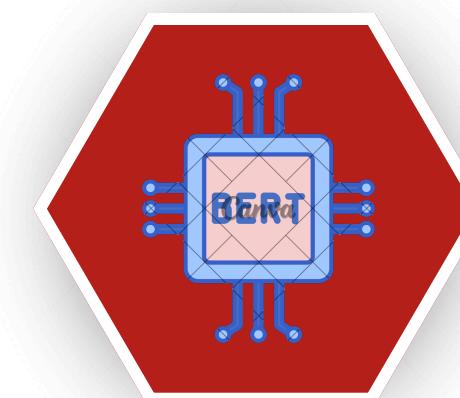
BiDAF

Word Embeddings: Glove
Bi-LSTM Hidden Dim: 512
Learning Rate: 0.00005
Drop Out Rate : 0.2
Number of Epochs: 20
Optimizer: AdamW
L2 Regularizer: 0.0001
Batch Size : 8



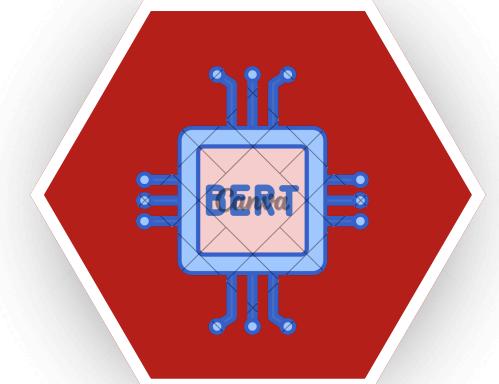
BERT_Base

Word Embeddings: Bert
Learning Rate: 0.00005
Batch Size : 16
Number of Epochs: 3
Optimizer: AdamW
Train-Val Split: 80:20
Freezed Layers : First 9 layers
Max Seq Length: 384



BERT_Base Modified Output layer

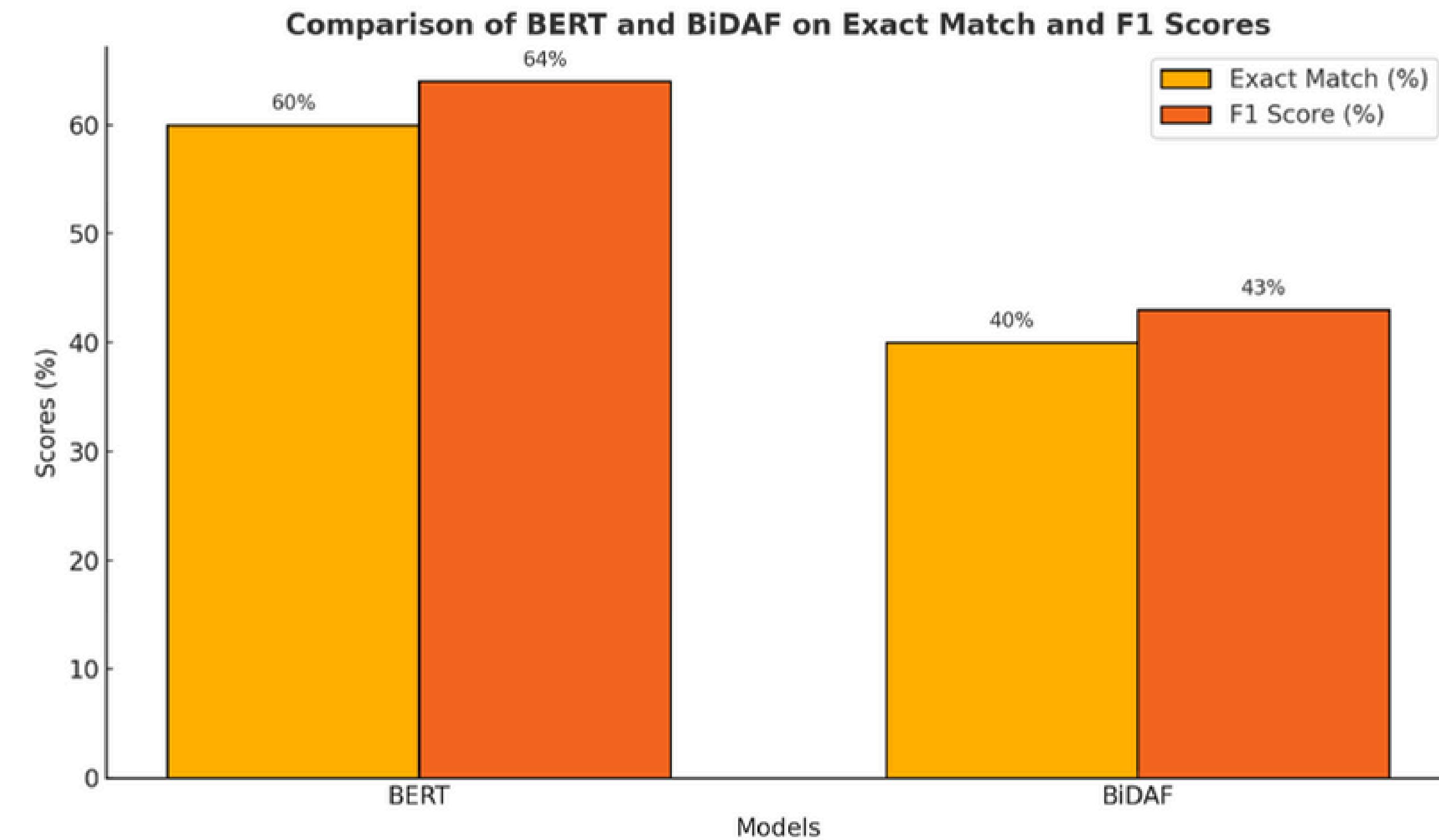
In the future, we plan to enhance BERT by adding a custom dense layer to refine start and end position predictions, aiming for better performance on complex tasks.



BERT_Base Single Output Classifier

We also plan to implement a binary classifier to handle questions, simplifying the task to predict if an answer exists in the context.

Results



Web Application using Flask

127.0.0.1:5000

YouTube VIT - VTOP REGIS... Microsoft Teams College_links vtop.vit.ac.in Neural Networks: ... traffic_edited_cod... traffic_edited_cod... All Bookmarks

Ask a Question

The University of Houston (UH), established in 1927, is a public research university located in Houston, Texas. As the flagship institution of the University of Houston System, it stands as the third-largest university in Texas, with a diverse student body of nearly 44,000 students. UH is Situated on a 667-acre campus in southeast Houston, UH provides state-of-the-art facilities to support both academic and

When did University of Houston established?

Get Answer

Answer: 1927

QUESTIONS?

