

Understand the Project - Text Generation

What we will be covering in this module?

- Understand Text Generation Project
- Create Front-end of the Project
- Building a Text Generation model
- Deploying Text Generation model using Streamlit and AWS
- Setting up an accessible website

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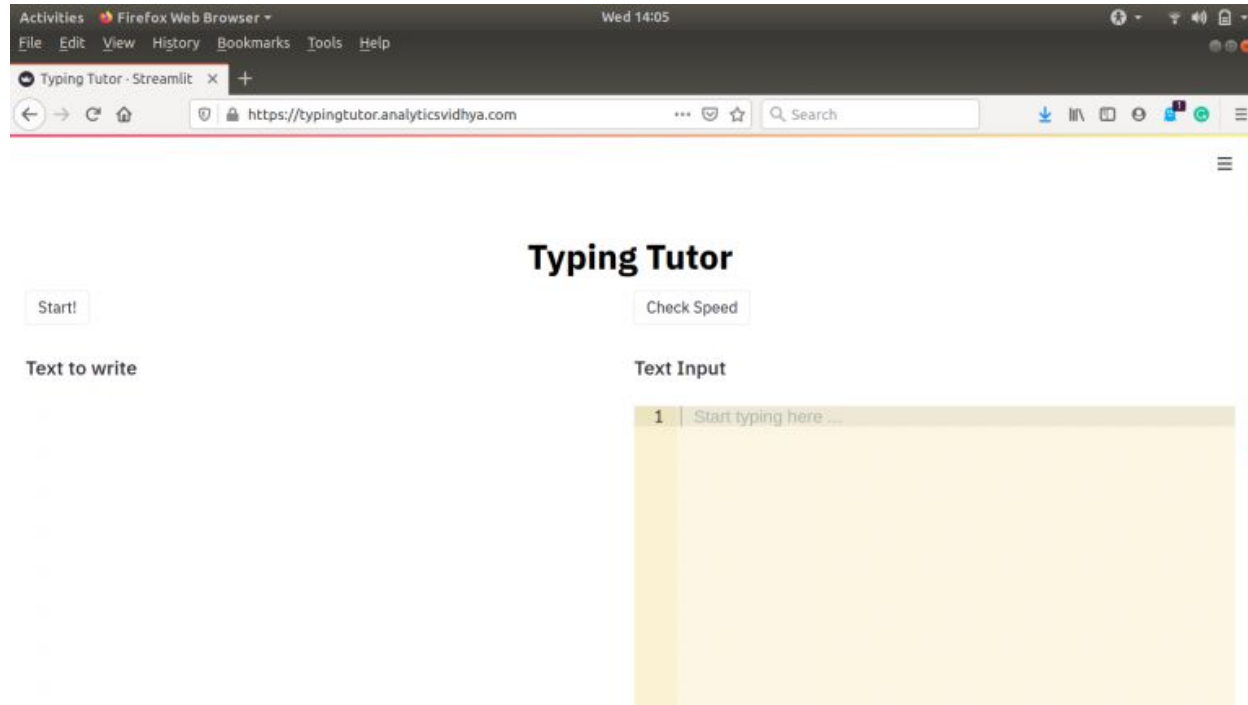
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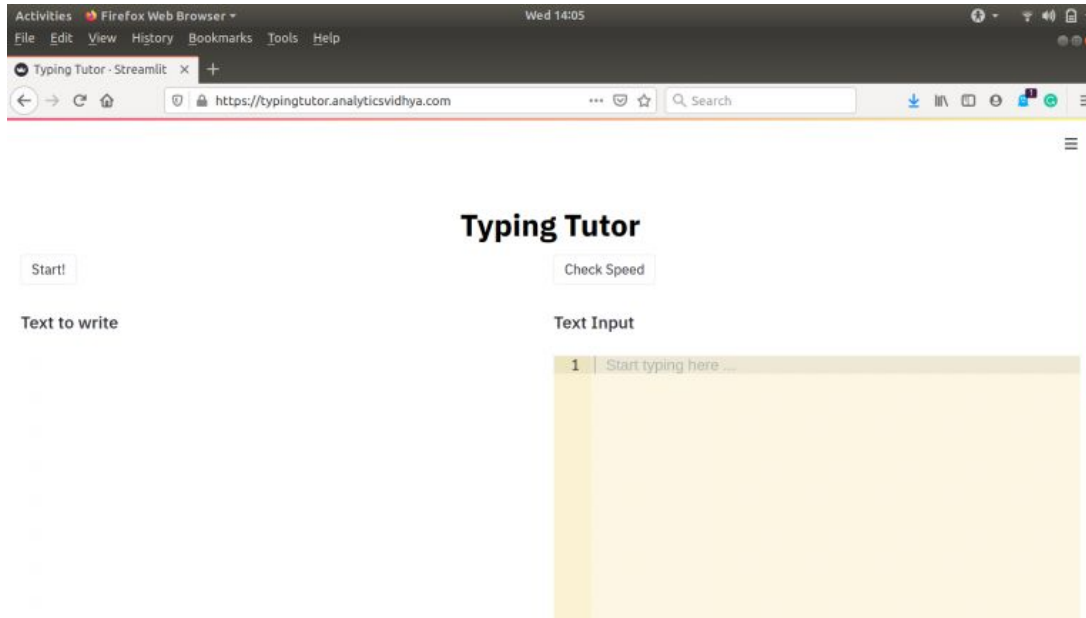
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Problem Statement - Typing Tutor for Coders



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Front-end

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Text to write

```
def sum_of_factors(n):  
    """  
    Calculate the sum of the squares of the first ten natural  
    natural numbers.  
  
    >>> sum_of_factors(100)  
    217  
    >>> sum_of_factors(100)  
    541  
    """  
    return sum([1 for i in range(1, n + 1) if n % i == 0])  
  
if __name__ == "__main__":  
    print(sum_of_factors(100))
```

Analytics
Vidhya

Back-end

Steps to create Typing Tutor

- Deploy the model using streamlit on AWS (Front-end)
 - Install required libraries
 - Setup DL model using streamlit
 - Deploy DL model on Colab
- Build a Text Generation model (Backend)
 - Install required libraries
 - Define deep learning model
 - Preprocess data and Get prediction
 - Deploy DL model on AWS

