

# Syntax Loopers

SAPTARSHI

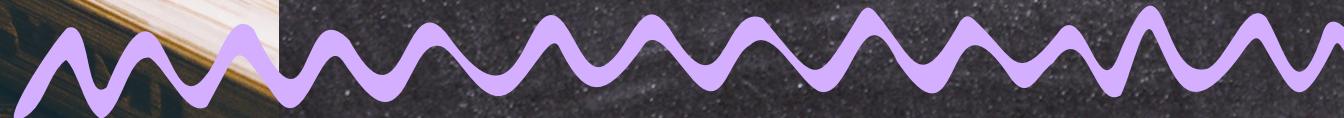
RAJATAVA

RITABHASHA

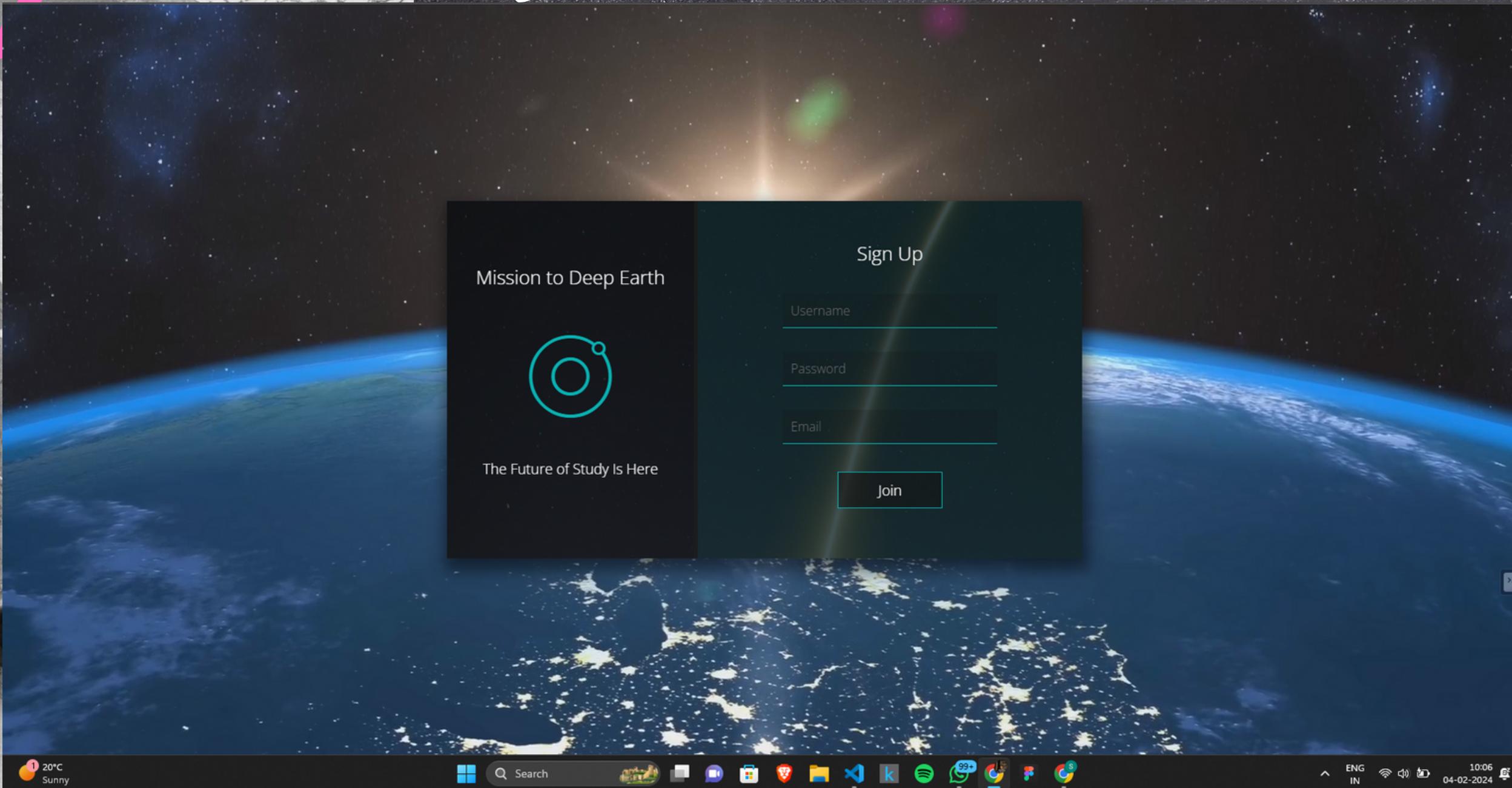


# Introduction

Our idea is made for PC builders, who are not able to decide their specs according to their usage.

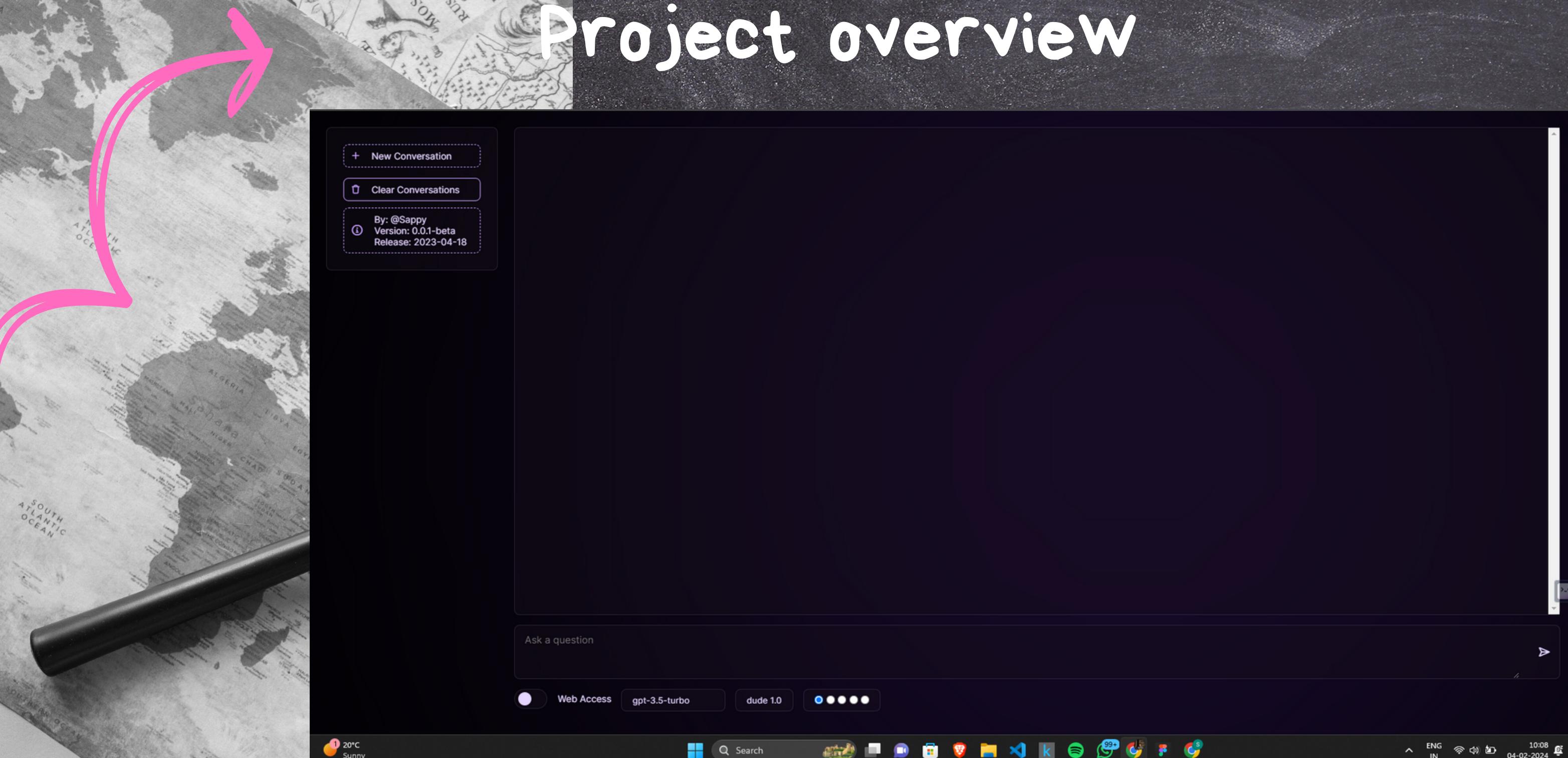


# Project overview

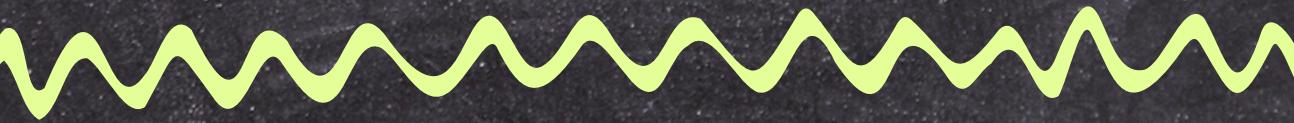


Login Page

# Project overview



USER INTERFACE



# Project overview

The screenshot shows a web browser window titled "Chatbot" at the URL "127.0.0.1:5500/Chatbot/". The interface features a purple header bar with the word "Chatbot". Below it is a white message box containing a user icon and the text "Hello! How can I assist you today?". A purple input box contains the message "Suggest me a good gaming PC for 1000\$". The response is displayed in a white box: "Here is a suggestion for a good gaming PC under \$1000:" followed by a numbered list of components:

1. Processor: AMD Ryzen 5 3600 - 6 cores, 12 threads, and a base clock speed of 3.6 GHz (upgrade to Ryzen 5 5600X if available within the budget)
2. Graphics Card: NVIDIA GeForce GTX 1660 Super - excellent performance for 1080p

At the bottom of the chat window is a text input field with the placeholder "Enter a message..." and a green "G" button. To the right of the input field are a purple "X" button and a small gray icon. The browser's taskbar at the bottom shows various open tabs and icons, including a weather widget indicating "20°C Sunny". The system tray shows the date "04-02-2024" and time "10:14".

Chat Bot

# Project overview



A screenshot of a Jupyter Notebook titled "Untitled1.ipynb". The notebook shows code for training a GPT-2 model. The code includes setting up training parameters like file paths, model name, and batch sizes, and defining a train function. A progress bar indicates the training process is at step 162/200. The notebook also imports the transformers library and defines a function to load a pre-trained model. The environment details show a T4 GPU and 50.81 GB available disk space.

```
File Edit View Insert Runtime Tools Help All changes saved  
+ Code + Text  
[35] trainer.train()  
[35] trainer.save_model()  
  
[54] train_file_path = "/content/Diversion(info).txt"  
model_name = 'gpt2'  
output_dir = '/content'  
overwrite_output_dir = False  
per_device_train_batch_size = 32  
num_train_epochs = 200.0  
save_steps = 50000  
  
train(  
    train_file_path=train_file_path,  
    model_name=model_name,  
    output_dir=output_dir,  
    overwrite_output_dir=overwrite_output_dir,  
    per_device_train_batch_size=per_device_train_batch_size,  
    num_train_epochs=num_train_epochs,  
    save_steps=save_steps  
)  
  
... /usr/local/lib/python3.10/dist-packages/transformers/data/datasets/language_modeling.py:53: FutureWarning: This dataset will be removed from the  
warnings.warn([162/200 01:37 < 00:23, 1.64 it/s, Epoch 161/200]  
Step Training Loss  
  
[48] from transformers import PreTrainedTokenizerFast, GPT2LMHeadModel, GPT2TokenizerFast, GPT2Tokenizer  
  
[49] def load_model(model_path):  
    model = GPT2LMHeadModel.from_pretrained(model_path)  
    return model  
  
Executing (1m 46s) <cell line: 1> > train() > train() > _inner_training_loop()
```

Training of Neural Network



# Objectives

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# Objectives



1

To help users build their desired perfect PC .



2

To help remote shops get access to this system so that they can take preferences.



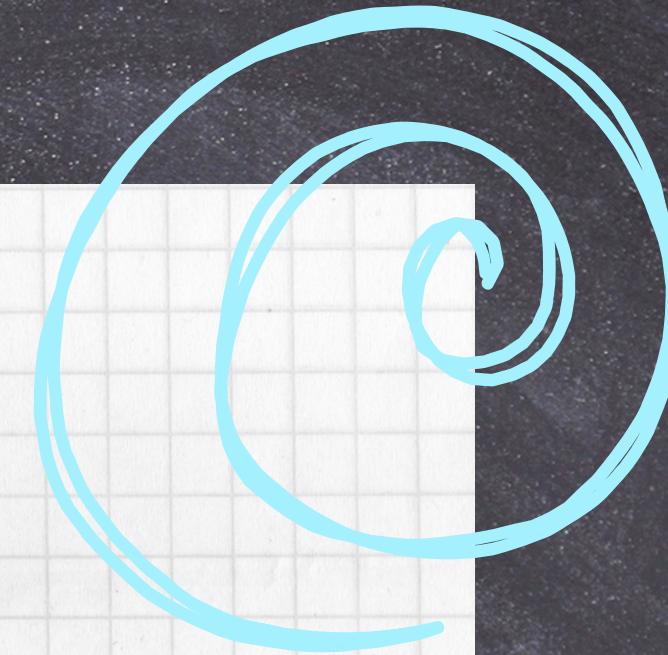
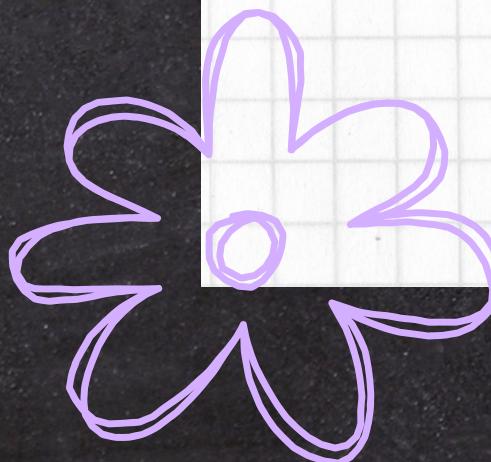
3

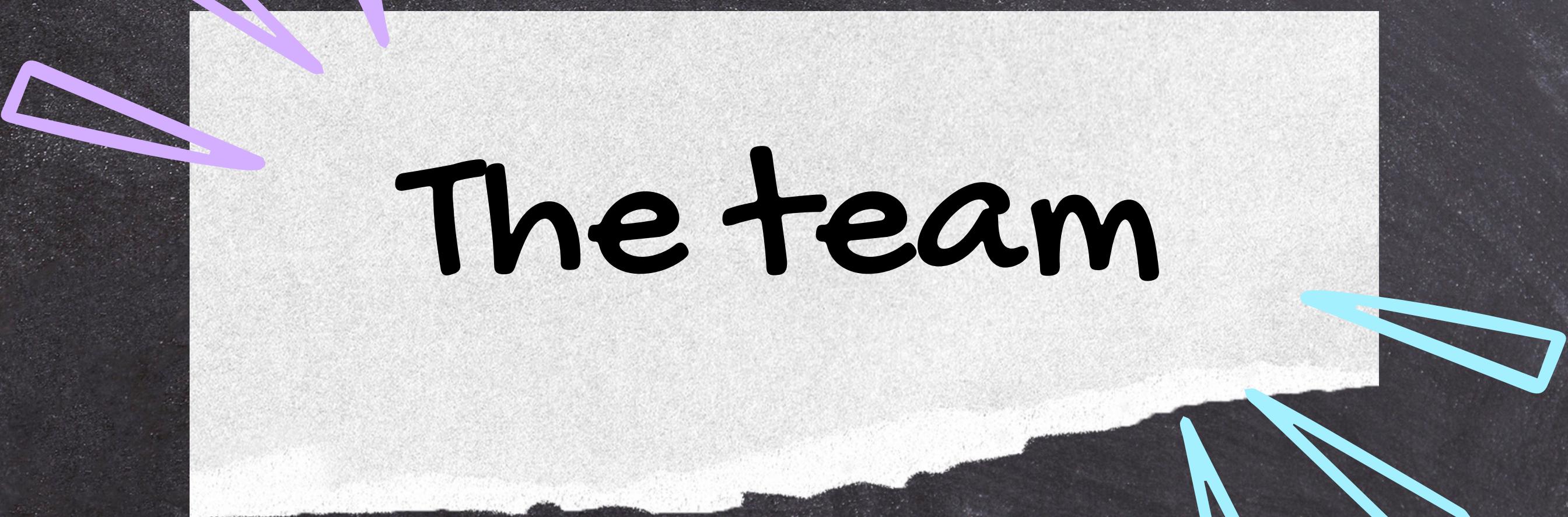
Reducing lack of knowledge about computer hardware.



# The brand

It is a personalized Q/A chatbot used to make an desired PC ,  
whether it is for Gaming or for coding.



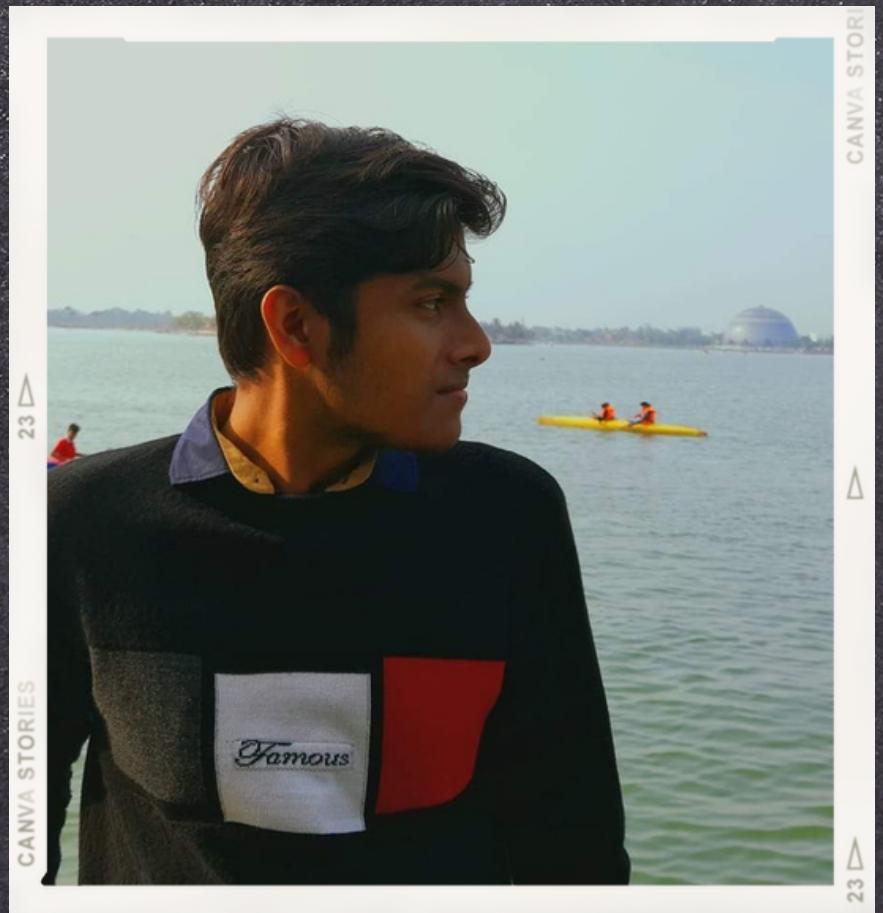


The team

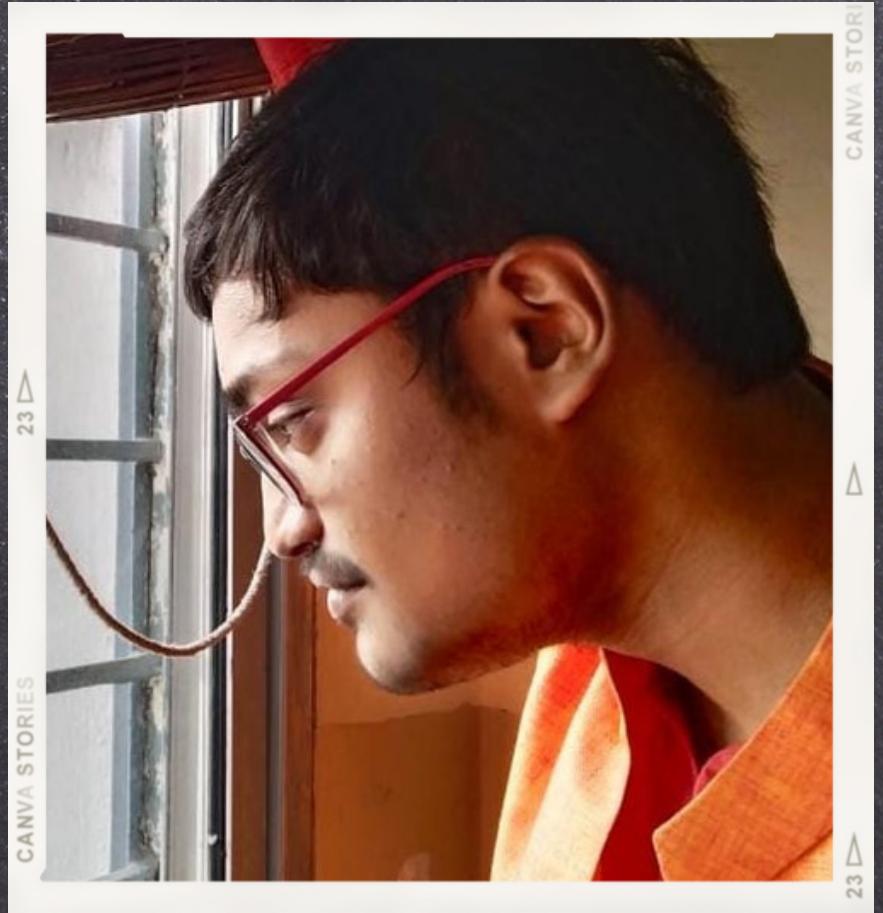
# The team



Saptarshi



Rajatava



Ritabhasa



# Process

We have a UI for the chatbot, but we are unable to deploy the ML to our website due to a lack of knowledge we have made a custom chatbot using an open AI API key. As well as we have the NLP ready .

# Conclusion

Although we are not able to deploy the AI model, we gathered some experience from this MLH.

THANK  
YOU