ChatGPT - California Driver's Handbook & Aid

Team Members:
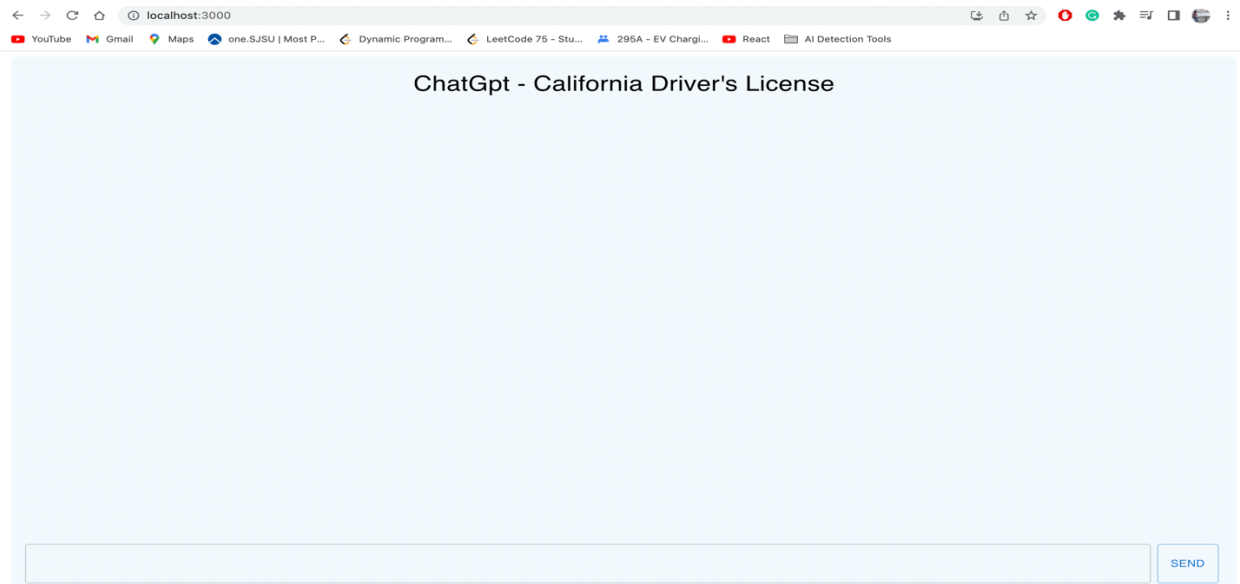Anurag Gajam - 016003377
Asha Yalla - 016006250
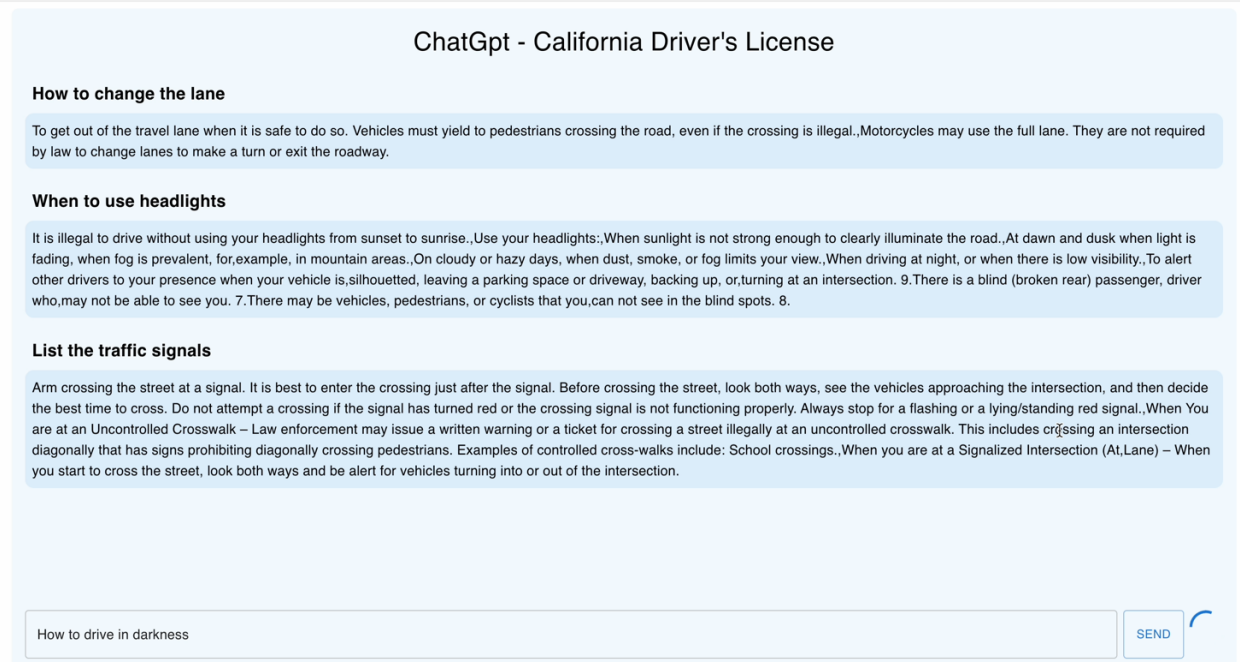Shravani Parsi - 016003559
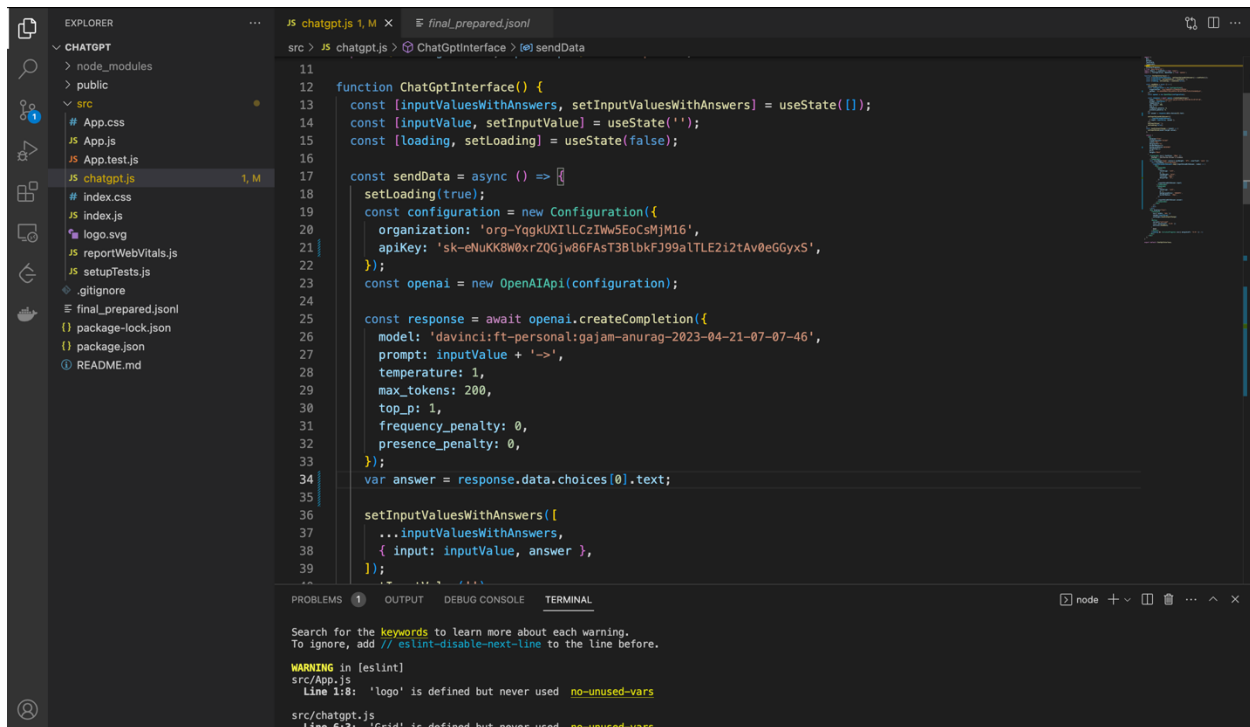Soumya Perala - 016114254

1. Screenshot of ChatGPT UI

2. Screenshot of conversation with ChatGPT

3. Usage of Fined Tuned ChatGPT using OPENAI API.

```
EXPLORER                              JS chatgpt.js 1, M ×    ≡ final_prepared.jsonl
∨ CHATGPT                             src > JS chatgpt.js > ⊙ ChatGptInterface > [ø] sendData
  > node_modules                       11
  > public                             12    function ChatGptInterface() {
  ∨ src                                13      const [inputValuesWithAnswers, setInputValuesWithAnswers] = useState([]);
    # App.css                          14      const [inputValue, setInputValue] = useState('');
    JS App.js                          15      const [loading, setLoading] = useState(false);
    JS App.test.js                     16
    JS chatgpt.js         1, M         17      const sendData = async () => {
    # index.css                        18        setLoading(true);
    JS index.js                        19        const configuration = new Configuration({
    ⬡ logo.svg                         20          organization: 'org-YqgkUXIlLCzIWw5EoCsMjM16',
    JS reportWebVitals.js              21          apiKey: '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',
    JS setupTests.js                   22        });
    ◆ .gitignore                       23        const openai = new OpenAIApi(configuration);
    ≡ final_prepared.jsonl             24
    {} package-lock.json               25        const response = await openai.createCompletion({
    {} package.json                    26          model: 'davinci:ft-personal:gajam-anurag-2023-04-21-07-07-46',
    ⓘ README.md                        27          prompt: inputValue + '->',
                                       28          temperature: 1,
                                       29          max_tokens: 200,
                                       30          top_p: 1,
                                       31          frequency_penalty: 0,
                                       32          presence_penalty: 0,
                                       33        });
                                       34        var answer = response.data.choices[0].text;
                                       35
                                       36        setInputValuesWithAnswers([
                                       37          ...inputValuesWithAnswers,
                                       38          { input: inputValue, answer },
                                       39        ]);

PROBLEMS 1   OUTPUT   DEBUG CONSOLE   TERMINAL

Search for the keywords to learn more about each warning.
To ignore, add // eslint-disable-next-line to the line before.

WARNING in [eslint]
src/App.js
  Line 1:8:  'logo' is defined but never used  no-unused-vars

src/chatgpt.js
  Line 6:3:  'Grid' is defined but never used  no-unused-vars
```

4. Fine Tune the Model.

```
Last login: Sat Apr 22 09:03:46 on console
[(base) anuraggajam@Anurags-MacBook-Air ~ % pip install --upgrade openai
Requirement already satisfied: openai in ./opt/anaconda3/lib/python3.9/site-packages (0.27.4)
Requirement already satisfied: requests>=2.20 in ./opt/anaconda3/lib/python3.9/site-packages (from openai) (2.21.0)
Requirement already satisfied: tqdm in ./opt/anaconda3/lib/python3.9/site-packages (from openai) (4.64.1)
Requirement already satisfied: aiohttp in ./opt/anaconda3/lib/python3.9/site-packages (from openai) (3.8.4)
Requirement already satisfied: chardet<3.1.0,>=3.0.2 in ./opt/anaconda3/lib/python3.9/site-packages (from requests>=2.20->openai) (3.0.4)
Requirement already satisfied: idna<2.9,>=2.5 in ./opt/anaconda3/lib/python3.9/site-packages (from requests>=2.20->openai) (2.8)
Requirement already satisfied: urllib3<1.25,>=1.21.1 in ./opt/anaconda3/lib/python3.9/site-packages (from requests>=2.20->openai) (1.24.3)
Requirement already satisfied: certifi>=2017.4.17 in ./opt/anaconda3/lib/python3.9/site-packages (from requests>=2.20->openai) (2022.9.24)
Requirement already satisfied: attrs>=17.3.0 in ./opt/anaconda3/lib/python3.9/site-packages (from aiohttp->openai) (22.1.0)
Requirement already satisfied: charset-normalizer<4.0,>=2.0 in ./opt/anaconda3/lib/python3.9/site-packages (from aiohttp->openai) (2.1.1)
Requirement already satisfied: multidict<7.0,>=4.5 in ./opt/anaconda3/lib/python3.9/site-packages (from aiohttp->openai) (6.0.4)
Requirement already satisfied: async-timeout<5.0,>=4.0.0a3 in ./opt/anaconda3/lib/python3.9/site-packages (from aiohttp->openai) (4.0.2)
Requirement already satisfied: yarl<2.0,>=1.0 in ./opt/anaconda3/lib/python3.9/site-packages (from aiohttp->openai) (1.8.2)
Requirement already satisfied: frozenlist>=1.1.1 in ./opt/anaconda3/lib/python3.9/site-packages (from aiohttp->openai) (1.3.3)
Requirement already satisfied: aiosignal>=1.1.2 in ./opt/anaconda3/lib/python3.9/site-packages (from aiohttp->openai) (1.3.1)
[(base) anuraggajam@Anurags-MacBook-Air ~ % export OPENAI_API_KEY="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"
[(base) anuraggajam@Anurags-MacBook-Air ~ % cd Desktop/280/ChatGpt/chatgpt/
[(base) anuraggajam@Anurags-MacBook-Air chatgpt % openai api fine_tunes.create -t final_prepared.jsonl -m davinci --suffix "Gajam Anurag"
Found potentially duplicated files with name 'final_prepared.jsonl', purpose 'fine-tune' and size 44561 bytes
file-tFcczanbLwCCRrVevfQvlmUH
file-6nFVwZnDJCXJHb9yZlSb4usi
Enter file ID to reuse an already uploaded file, or an empty string to upload this file anyway:
Upload progress: 100%|██████████████████████████████████████████████████████████| 44.6k/44.6k [00:00<00:00, 40.1Mit/s]
Uploaded file from final_prepared.jsonl: file-sUy9vATWXFiqpGMdRTnCv0fT
Created fine-tune: ft-KC4Sq7SUwiFp5QXZrJmlh6TN
Streaming events until fine-tuning is complete...

(Ctrl-C will interrupt the stream, but not cancel the fine-tune)
[2023-04-23 12:20:51] Created fine-tune: ft-KC4Sq7SUwiFp5QXZrJmlh6TN
[2023-04-23 12:21:11] Fine-tune costs $1.16
[2023-04-23 12:21:11] Fine-tune enqueued. Queue number: 0

[(base) anuraggajam@Anurags-MacBook-Air chatgpt % openai api fine_tunes.follow -i ft-KC4Sq7SUwiFp5QXZrJmlh6TN
[2023-04-23 12:20:51] Created fine-tune: ft-KC4Sq7SUwiFp5QXZrJmlh6TN
[2023-04-23 12:21:11] Fine-tune costs $1.16
[2023-04-23 12:21:11] Fine-tune enqueued. Queue number: 0
[2023-04-23 12:31:14] Fine-tune started
[2023-04-23 12:33:11] Completed epoch 1/4
[2023-04-23 12:33:33] Completed epoch 2/4
[2023-04-23 12:33:55] Completed epoch 3/4
[2023-04-23 12:34:17] Completed epoch 4/4
[2023-04-23 12:34:49] Uploaded model: davinci:ft-gajam-anurag:gajam-anurag-2023-04-23-19-34-49
[2023-04-23 12:34:50] Uploaded result file: file-vE0VtN9pwvTz3q17fwjg3or3
[2023-04-23 12:34:51] Fine-tune succeeded

Job complete! Status: succeeded 🎉
Try out your fine-tuned model:

openai api completions.create -m davinci:ft-gajam-anurag:gajam-anurag-2023-04-23-19-34-49 -p <YOUR_PROMPT>
[(base) anuraggajam@Anurags-MacBook-Air chatgpt %
```

5. Usage of OPENAI key.