

# SceneSense AI — Team Setup Guide

Clone → Install → Add API Key → Run (Copy/Paste Friendly)

## 1) What you need before starting

- VS Code installed
- Python 3.10+ installed (check: `python --version`)
- Git installed (check: `git --version`)
- A Groq API Key (create your own key — no sharing required)

## 2) Clone the GitHub repository

Open VS Code → Terminal and run:

```
git clone <PASTE_REPO_URL_HERE>
cd scene-intent-engine
```

Replace **scene-intent-engine** with your actual folder name if different.

## 3) Create & activate a virtual environment

### ■ Windows (PowerShell)

```
python -m venv venv
.\venv\Scripts\activate
```

### ■ Mac / Linux

```
python3 -m venv venv
source venv/bin/activate
```

## 4) Install dependencies

```
python -m pip install -r requirements.txt
```

## 5) Get your Groq API key

Groq is the LLM provider used in this project. You need an API key to run the app.

Steps:

- 1) Open the Groq Console (Groq Cloud dashboard)
- 2) Login / Sign up
- 3) Navigate to: API Keys
- 4) Create a new API Key
- 5) Copy the key and keep it private

Important: Do not upload or share your API key anywhere.

## 6) Add API key safely using .env

Inside the project folder, create a file named **.env**

Paste this inside:

```
GROQ_API_KEY=PASTE_YOUR_KEY_HERE
```

## ■ Ensure .env is ignored by Git

Your repo includes .gitignore so the .env file should never be pushed.

```
.env  
venv/
```

## 7) Run the app

Recommended command (works always):

```
python -m streamlit run app.py
```

App opens at: **http://localhost:8501**

## 8) If Streamlit is not recognized

Fix with:

```
python -m pip install streamlit  
python -m streamlit run app.py
```

## 9) Quick sanity test (Optional)

Check if Groq is working:

```
python test_groq.py
```

Expected output:

```
{"status": "ok"}
```

## 10) Troubleshooting (most common fixes)

### A) GROQ\_API\_KEY not found

- Fix:
  - Ensure .env is in the same folder as app.py
  - Ensure the key name is exactly: GROQ\_API\_KEY
  - Restart Streamlit app

### B) Module not found errors

- Fix:  
`python -m pip install -r requirements.txt`

### C) JSON parsing error

- Fix:
  - Click Analyze again
  - Use a longer scene (40+ characters)
  - Avoid extremely short or unclear inputs

## 11) What NOT to share publicly

- Do not upload:
  - .env file
  - Screenshots showing your API key
  - API keys inside app.py

## 12) Ready-to-run checklist

- Repo cloned
- venv activated
- requirements installed
- .env created with your key
- Streamlit app runs locally