

RWR 4015

# Traffic Simulation for Planning Applications

Dr. Ahmad Mohammadi

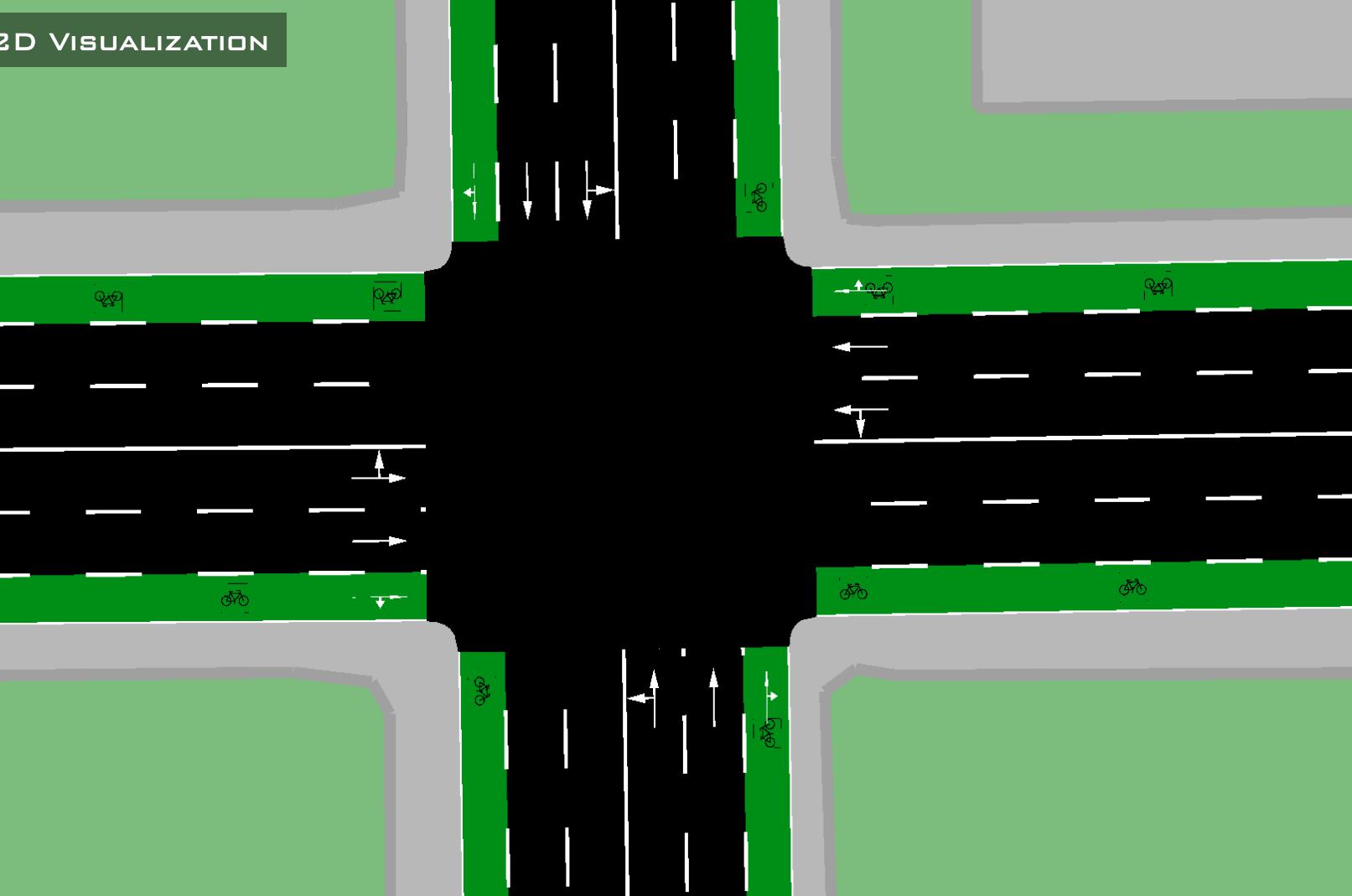
Week 12 | Lecture:  
Portfolio and Communication

Fall 2026

RoadwayVR



2D VISUALIZATION



3D VISUALIZATION

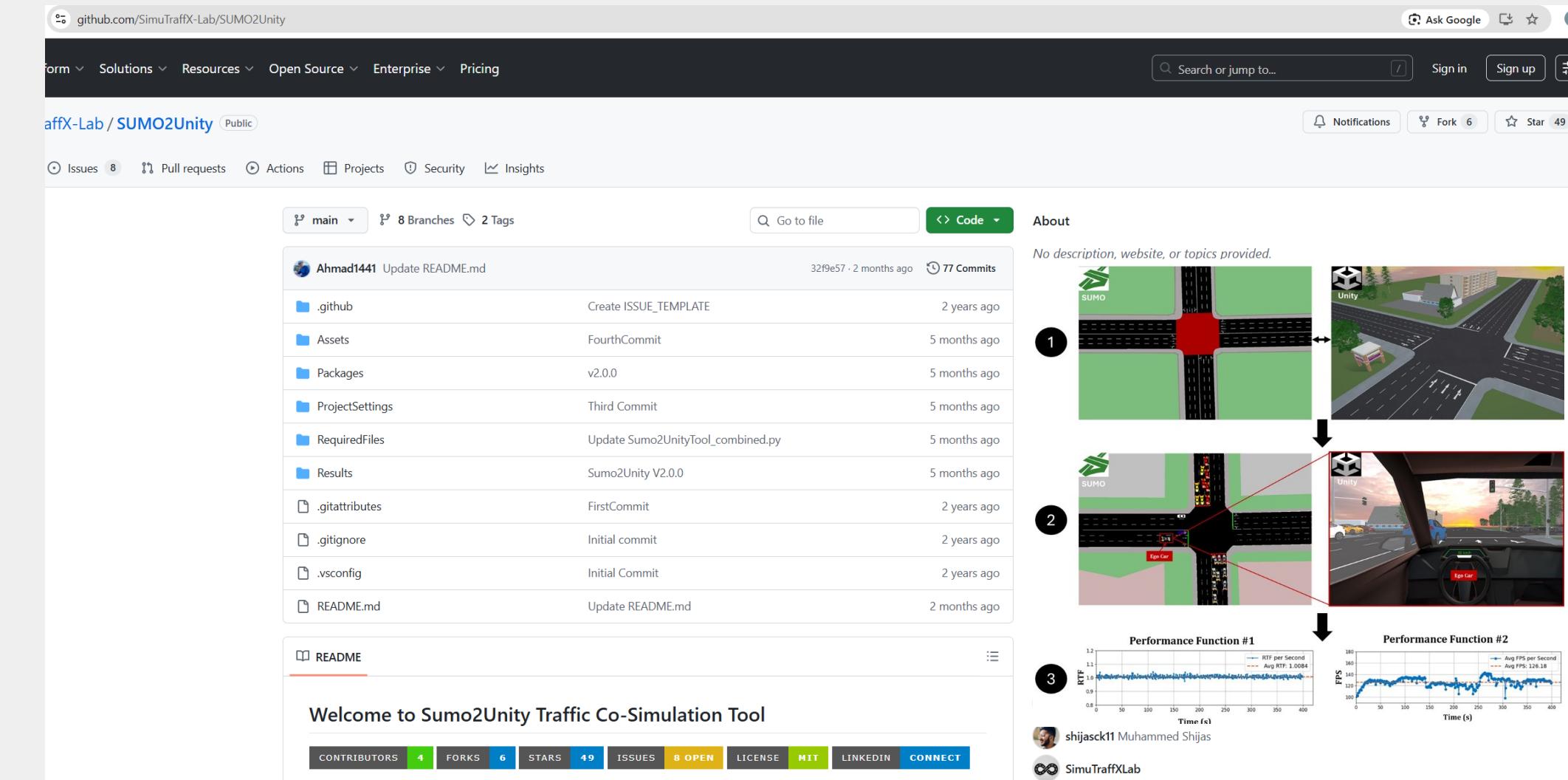


# Agenda

- ❑ Final Project Website + Demo Video + Screenshots + KPI Tables/Plots
- ❑ Final Project Presentations

# Final Project Website: Github

- GitHub is an open-source platform to create a free website and publish your Demo Video + Screenshots + KPI Tables/Plots.
- A GitHub link strengthens your CV by providing proof of what you built (e.g., a 3D Simulation) with demos.
- Show, don't just tell: screenshots and short videos in a website can communicate your work faster than long text.



# Steps:

**Goal: Publish a free GitHub Pages site to showcase your project (video + results)**

- Create a GitHub account**
- Create The Website Domain**
- Create The Website Template**
- Publish the Website**
- Add Your Project Files (Videos, Images, Data)**

# Create a GitHub account

1. Open Github.com and Sign UP

The screenshot shows the GitHub homepage with a dark blue background. At the top, there is a navigation bar with links for "Pricing", "Search or jump to...", "Sign in", and a red-bordered "Sign up" button. Below the navigation bar, there is a purple call-to-action button with a yellow duck icon and the text "Explore the latest tools from Universe '25". The main headline reads "The future of building happens together". A subtext below it says "Tools and trends evolve, but collaboration endures. With GitHub, developers, agents, and code come together on one platform." At the bottom, there is a white input field labeled "Enter your email", a green "Sign up for GitHub" button, and a grey "Try GitHub Copilot free" button.

# Create a GitHub account

2. Create an Account using your email
3. Login to your account
4. Username is: FirstNameLastName

**Sign up for GitHub**

 Continue with Google

 Continue with Apple

or

Email<sup>\*</sup>

Password<sup>\*</sup>

Password should be at least 15 characters OR at least 8 characters including a number and a lowercase letter.

Username<sup>\*</sup>

Username may only contain alphanumeric characters or single hyphens, and cannot begin or end with a hyphen.

Your Country/Region<sup>\*</sup>

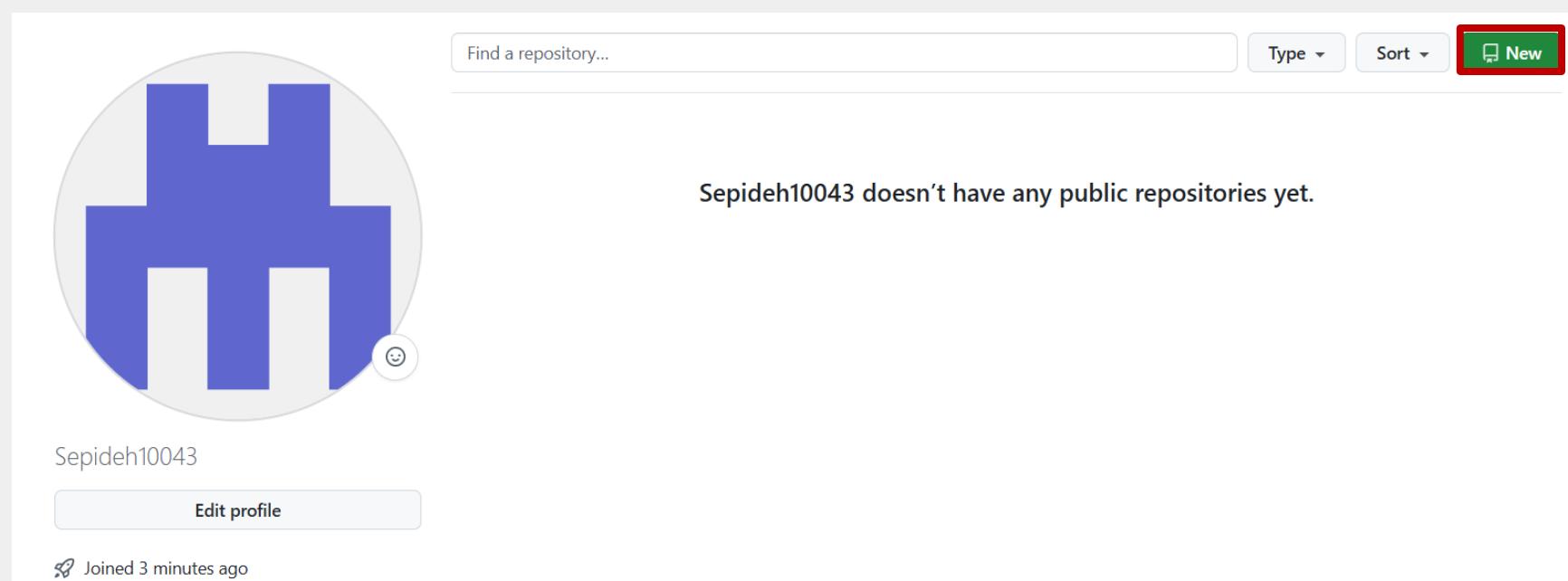
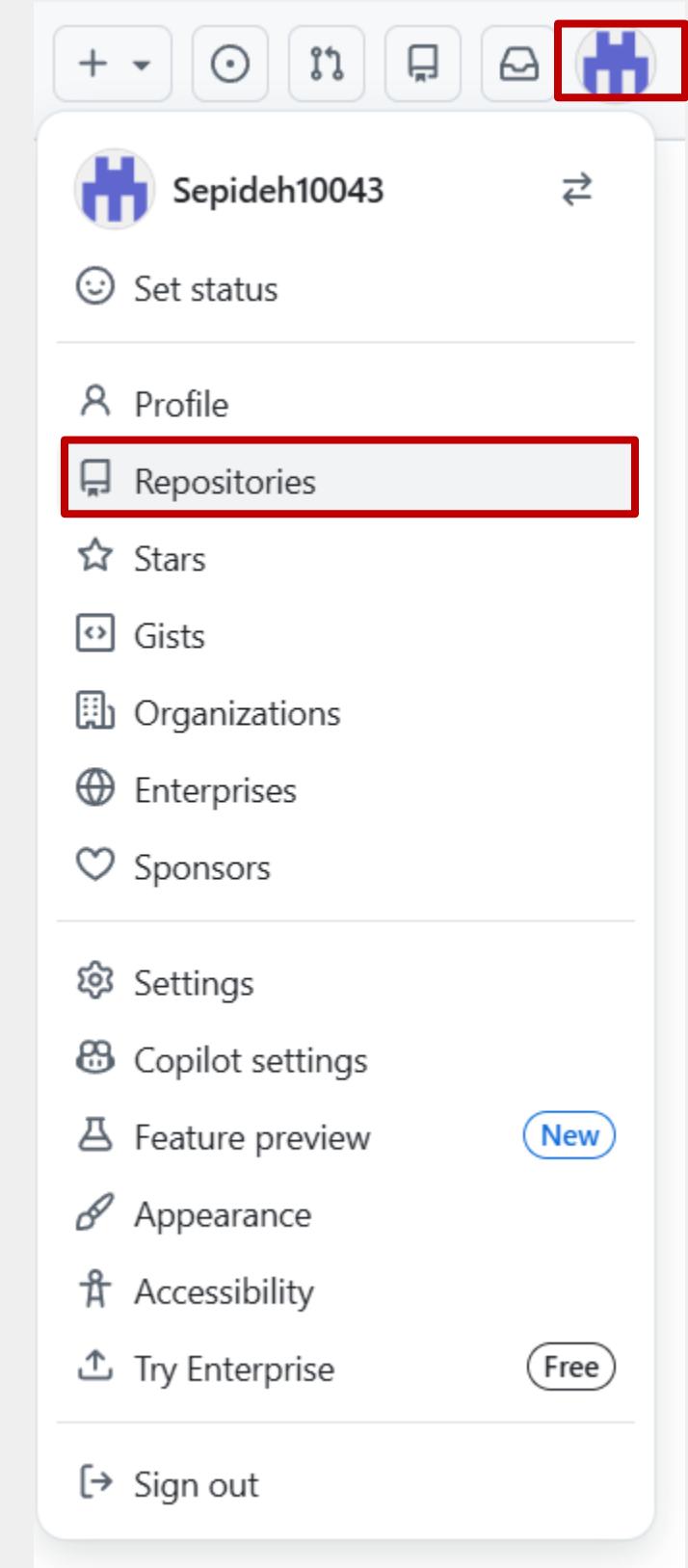
For compliance reasons, we're required to collect country information to send you occasional updates and announcements.

**Create account >**

# Create The Website Domain

1. Select your account (Top Right)
2. Click Repositories and you will see below (you don't have any project ☺)

3. Select new



# Create The Website Domain

4. Repository name: FirstNameLastName.github.io

(must match your GitHub username from Slide 6)

5. Description: My personal website showcasing

computer vision, traffic simulation, and

optimization skills

6. Initialize repository: Add a README (ON)

7. Click Create repository

**Create a new repository**

Repositories contain a project's files and version history. Have a project elsewhere? [Import a repository](#). Required fields are marked with an asterisk (\*).

1 General

Owner \* Sepideh10043

Repository name \* AhmadMohammadi.github.io

AhmadMohammadi.github.io is available.

Great repository names are short and memorable. How about [super-palm-tree](#)?

Description

My Personal Website Showcasing Computer Vision, Traffic Simulation, and Optimization Skills  
91 / 350 characters

2 Configuration

Choose visibility \* Public

Add README

On

READMEs can be used as longer descriptions. [About READMEs](#)

Add .gitignore

No .gitignore

.gitignore tells git which files not to track. [About ignoring files](#)

Add license

No license

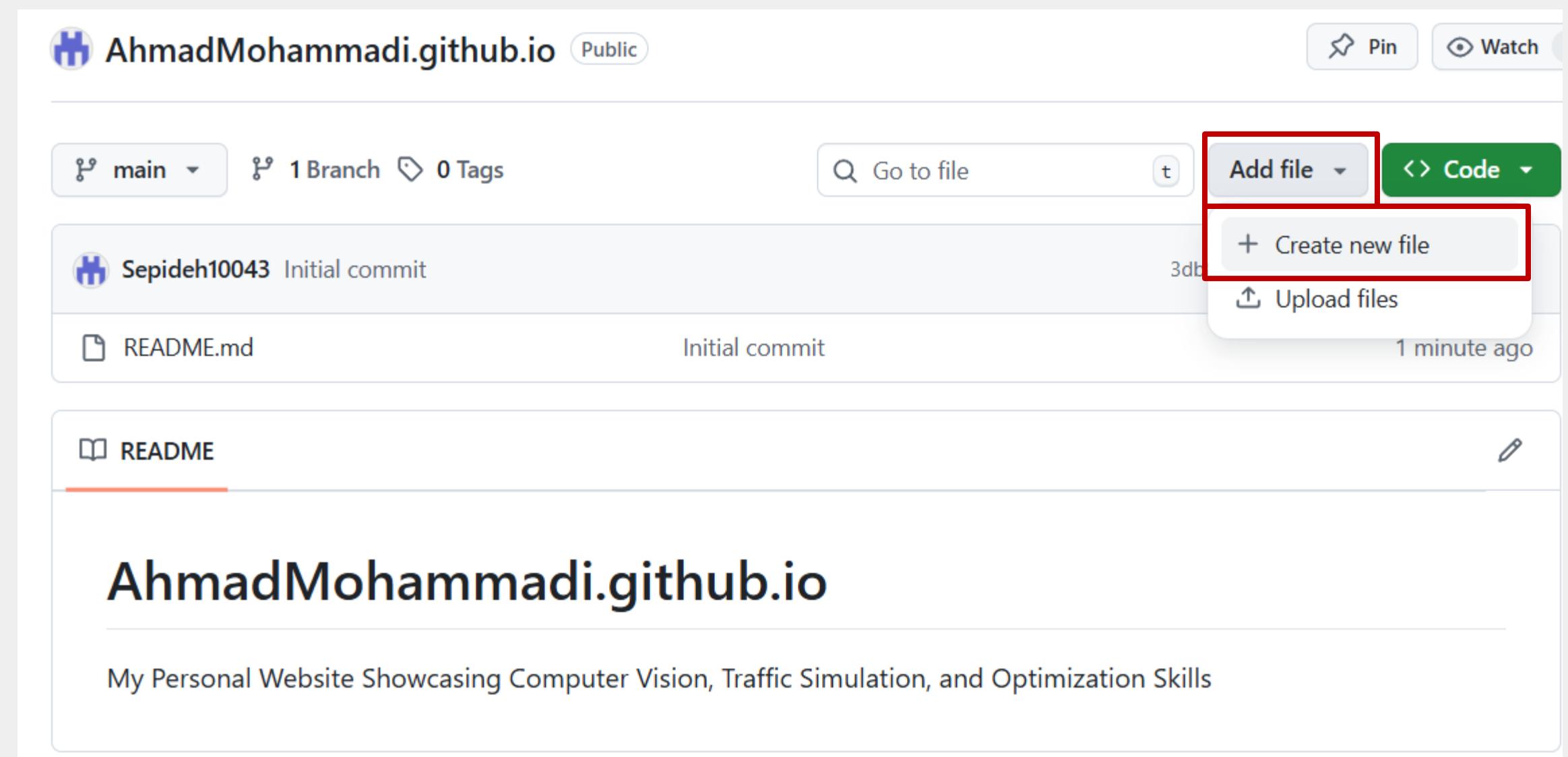
Licenses explain how others can use your code. [About licenses](#)

**Create repository**

# Create The Website Template

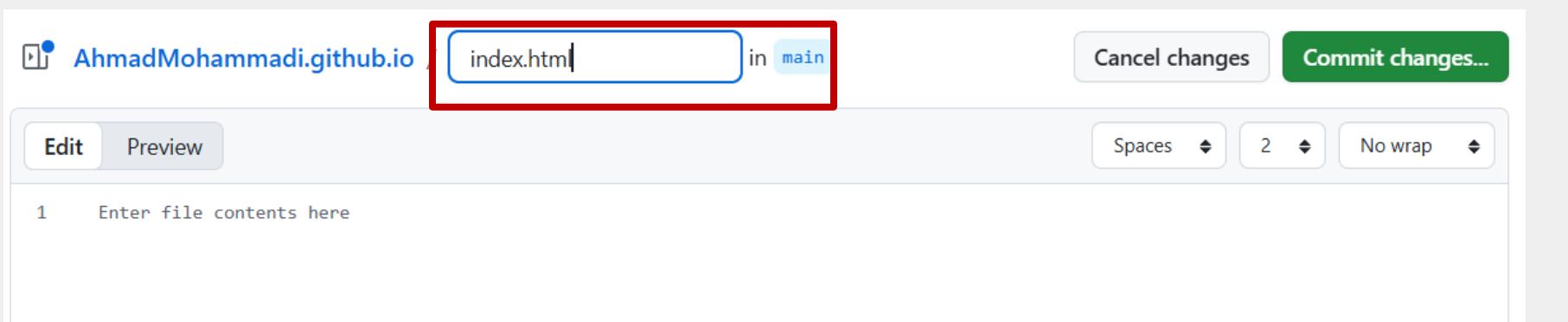
1. In the repo

2. Add File → Create new file



# Create The Website Template

3. In File name:  
Type “index.html”

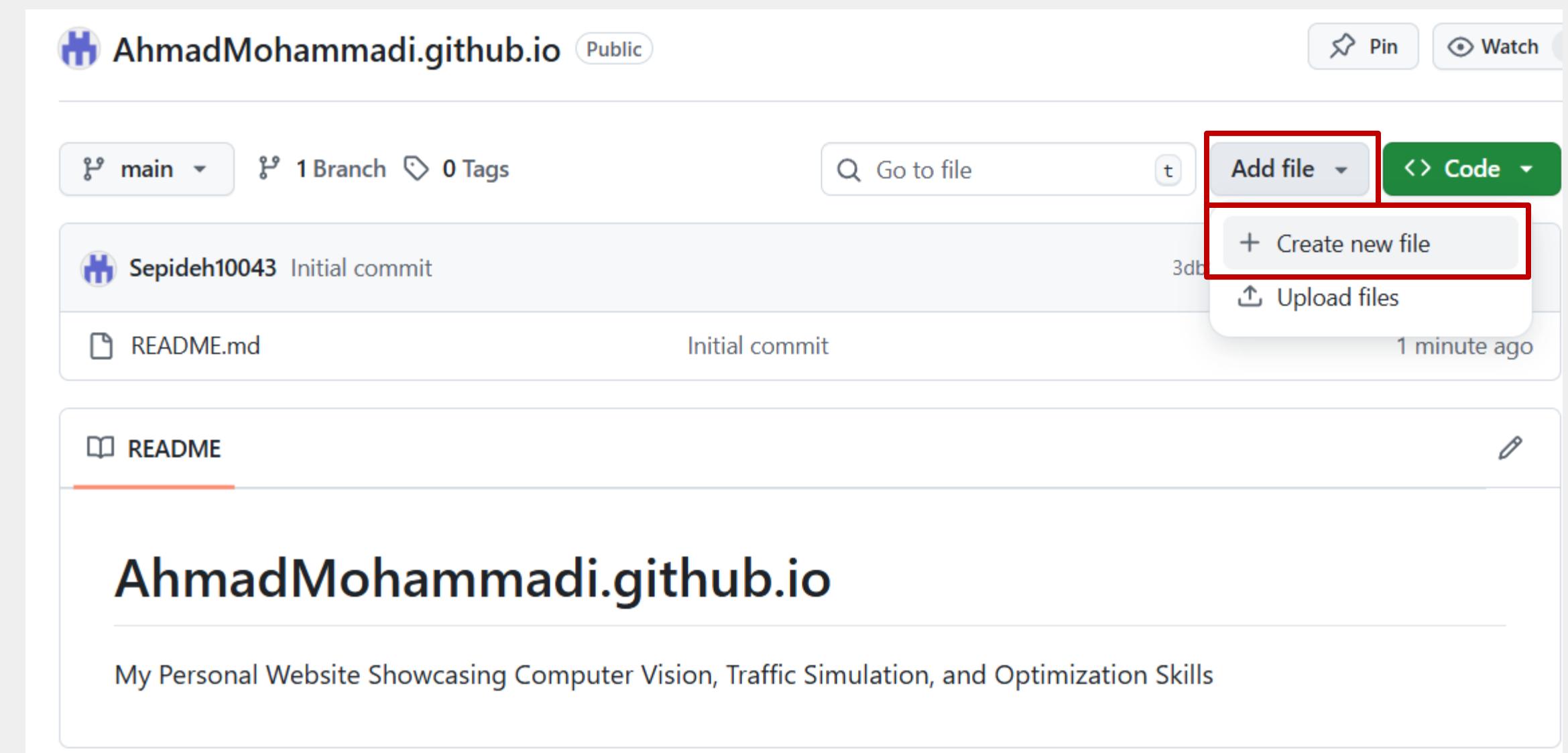


4. Copy and paste this code  
into the big text box

```
git clone https://github.com/AhmadMohammadi/ahmadmohammadi.github.io.git
```

# Create The Website Template

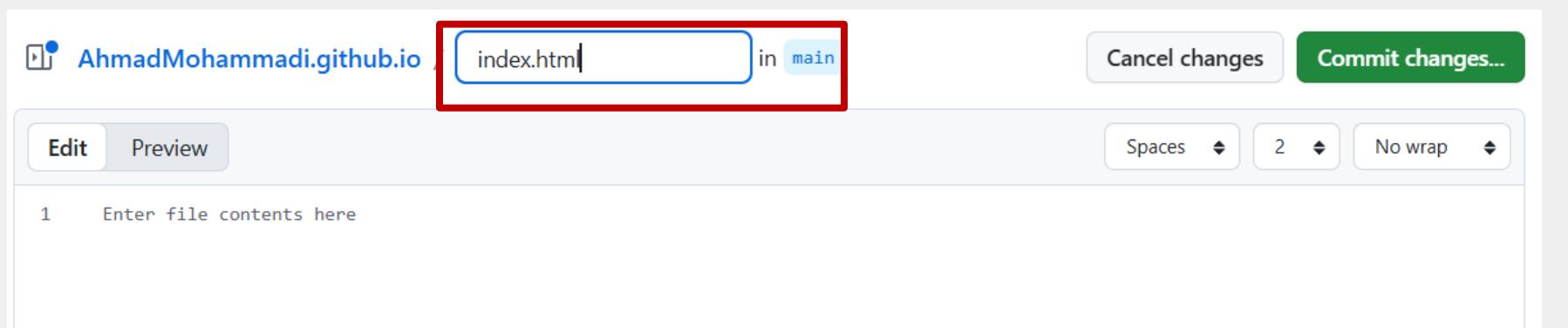
5. In the repo → Add File → Create new file



# Create The Website Template

6. In File name:  
Type “config.js”

7. Copy and paste this code  
into the big text box



```
const config = {  
    title: "My Website",  
    description: "A simple website template.",  
    author: "Ahmad Mohammadi",  
    theme: "light",  
    footer: "Footer content goes here",  
    sidebar: true,  
    sidebarWidth: 250,  
    sidebarColor: "#f0f0f0",  
    sidebarIcon: "fa fa-bars",  
    sidebarTitle: "Sidebar Title",  
    sidebarList: ["Home", "About", "Contact"],  
    footerLinks: [{"link": "https://www.google.com", "text": "Link 1"}, {"link": "https://www.facebook.com", "text": "Link 2"}]  
};
```

# Publish the Website

The screenshot shows a GitHub repository page for `AhmadMohammadi.github.io`. The top navigation bar includes links for Code, Issues, Pull requests, Actions, Projects, Wiki, Security, Insights, and Settings, with the Settings link highlighted by a red box. Below the navigation is a search bar with 'Go to file' and a dropdown for 'Add file'. The main content area displays a commit from Sepideh10043 titled 'Create index.html' made 2 minutes ago. A table lists files with their last commit details:

Name	Last commit message	Last commit date
README.md	Initial commit	48 minutes ago
index.html	Create index.html	2 minutes ago

Below the table, a preview of the website shows the title 'AhmadMohammadi.github.io' and the subtitle 'My Personal Website Showcasing Computer Vision, Traffic Simulation, and Optimization Skills'.

# Publish the Website

The screenshot shows the GitHub repository settings page for a project named "General". The left sidebar lists various repository management sections: Access, Collaborators, Moderation options, Code and automation (Branches, Tags, Rules, Actions), Models (with a Preview button), Webhooks, Copilot, Environments, Codespaces, and Pages. The "Pages" section is highlighted with a red box at the bottom of the sidebar.

The main content area is titled "Build and deployment" under the "Source" heading. It displays a dropdown menu labeled "Deploy from a branch" which is also highlighted with a red box. Below this, there is a "Branch" section with the message: "GitHub Pages is currently disabled. Select a source below to enable GitHub Pages for this repository." A link "Learn more about configuring the publishing source for your site." is provided. At the bottom of this section are two buttons: "None" and "Save", both of which are highlighted with red boxes.

A modal window titled "Select branch" is open, showing a search bar and a list of branches. The branch "main" is selected and highlighted with a red box. There is also an option "None" with a checked checkbox, also highlighted with a red box.

# Publish the Website

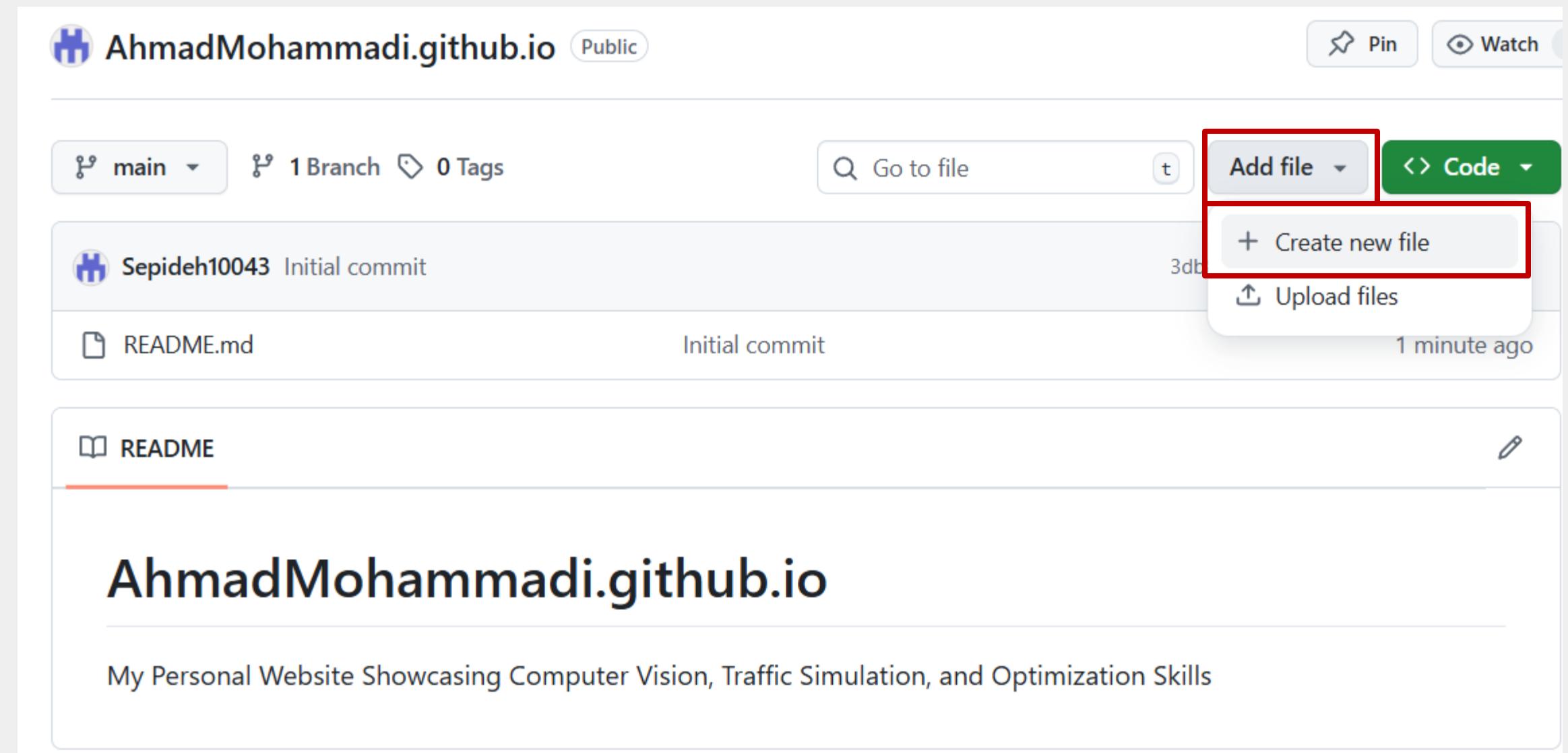
- Open FirstNameLastName.github.io
- Congrats you have now a website domain with your name → Now, you can start modifying it

# Add Your Project Files (Videos, Images, Data)

1. Go to your repo main page:

<https://github.com/FirstnameLastName/FirstnameLastName.github.io>

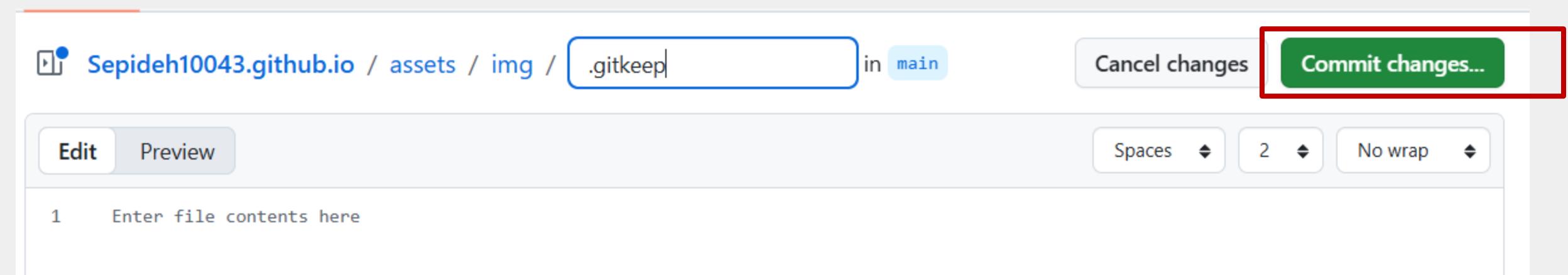
2. Add File → Create new File



# Add Your Project Files (Videos, Images, Data)

3. At the top where it says “name your file ...”, type this exactly:

Assets/img/.gitkeep



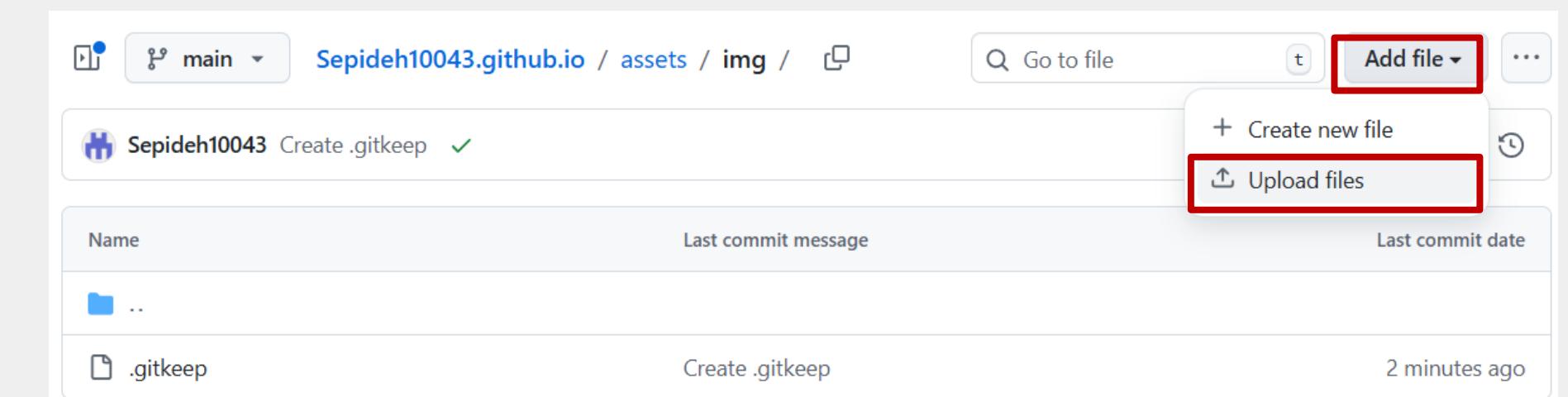
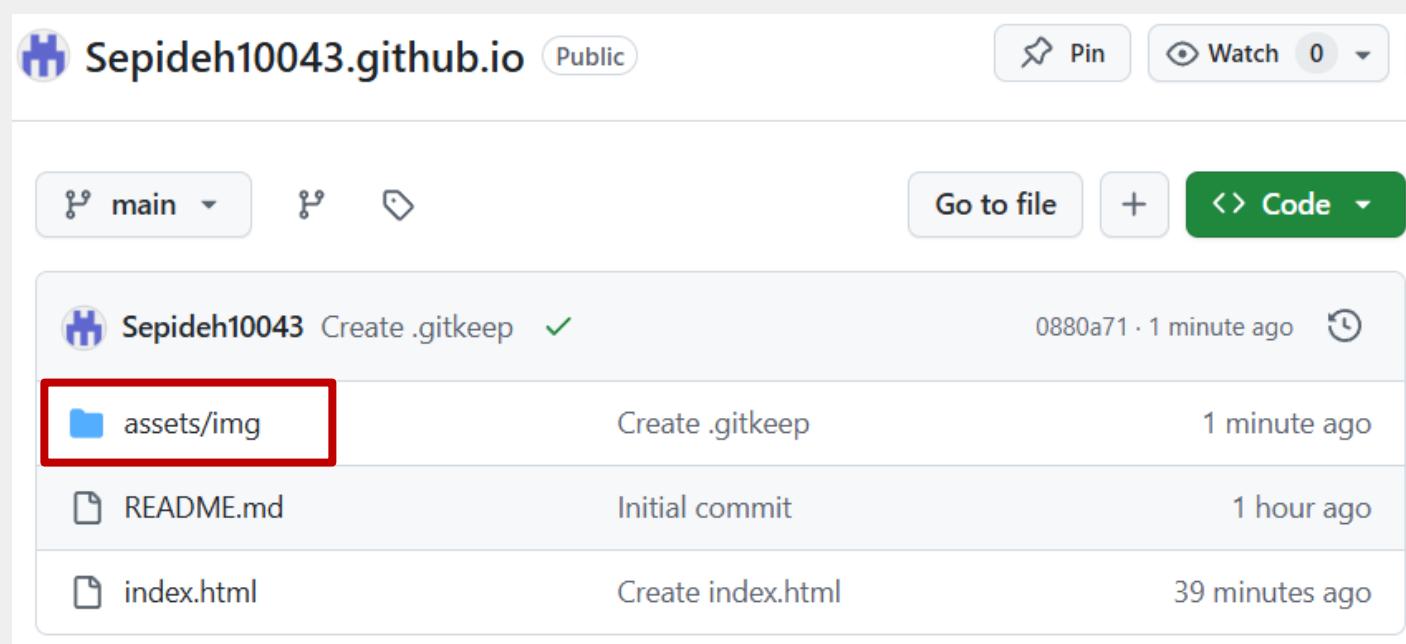
# Add Your Project Files (Videos, Images, Data)

4. In the repo → Click Assets → img → you are inside assets/img

5. Click Add files → Upload Foles

6. Drag and Drop your images into Upload folder

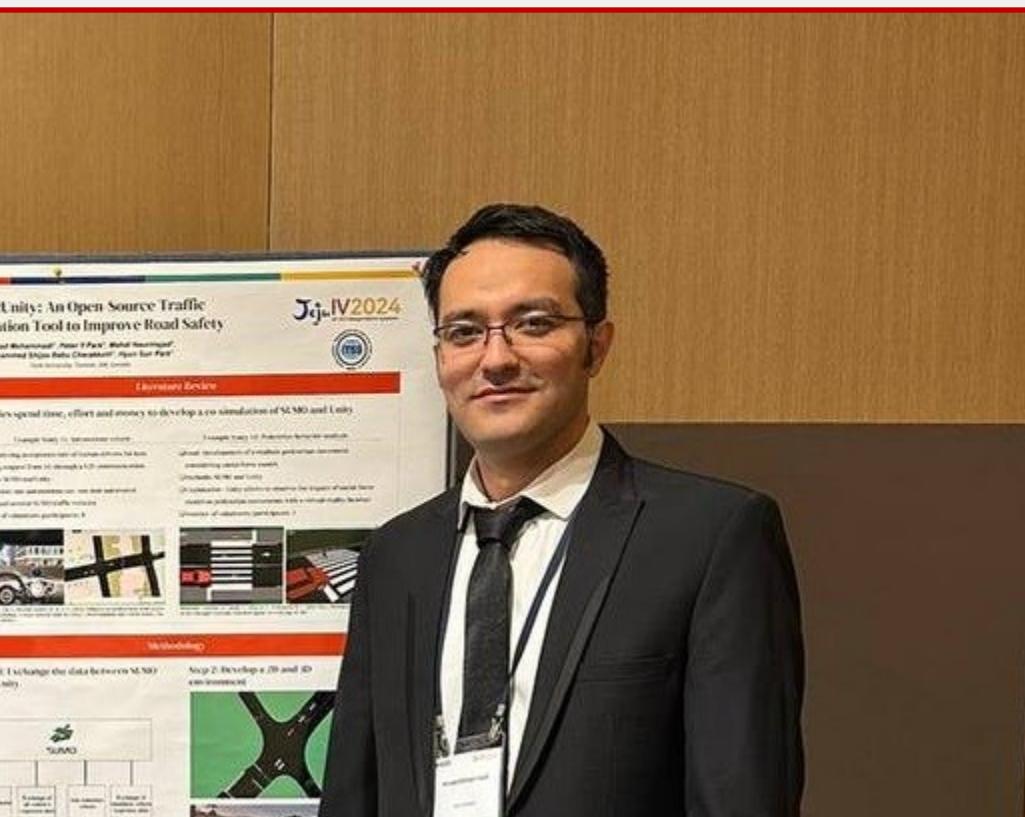
7. Hit Commit



# Add Your Project Files (Videos, Images, Data)

8. Replace Image1.jpg with the image you prefer

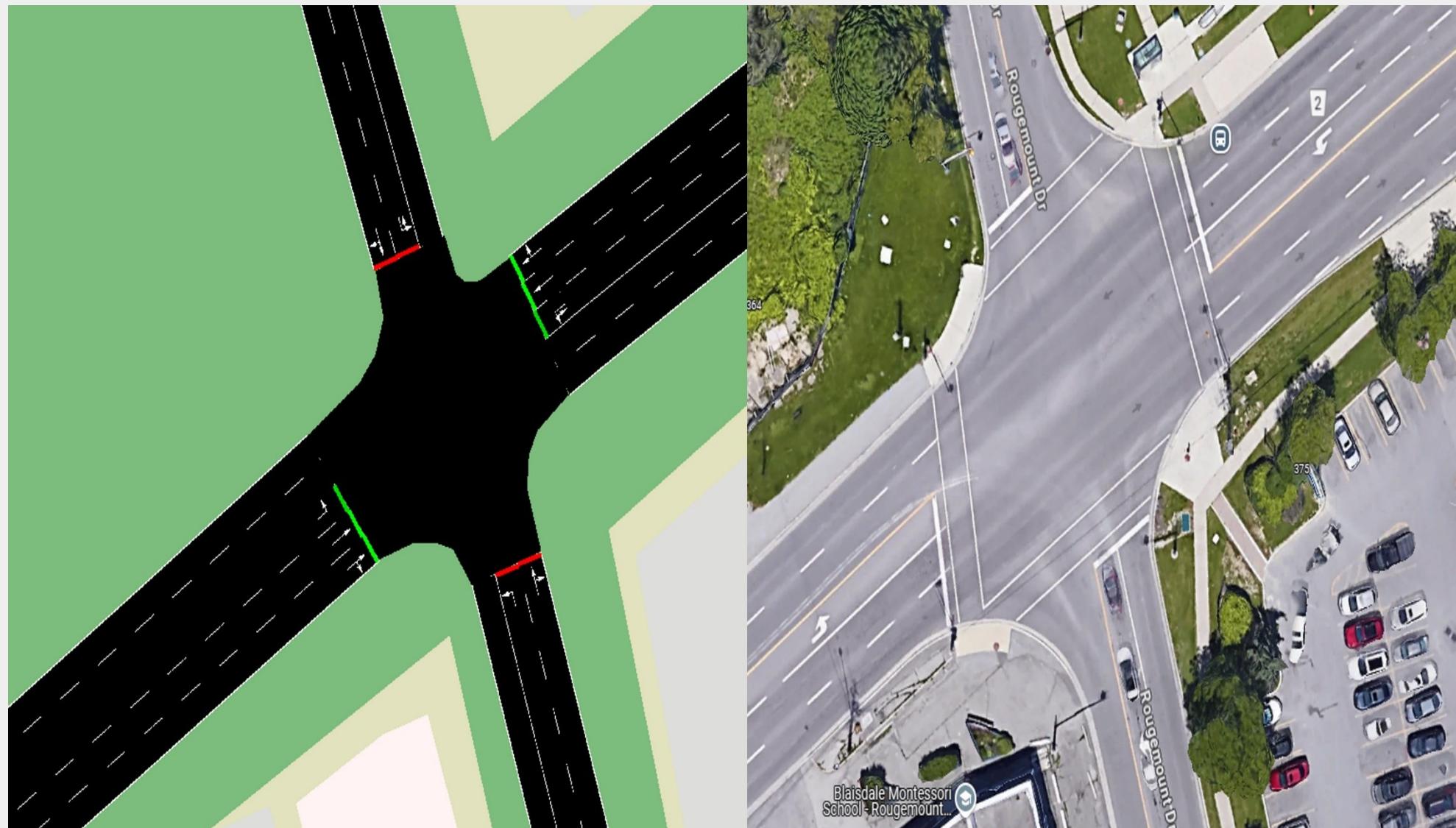
Image1.jpg



# Add Your Project Files (Videos, Images, Data)

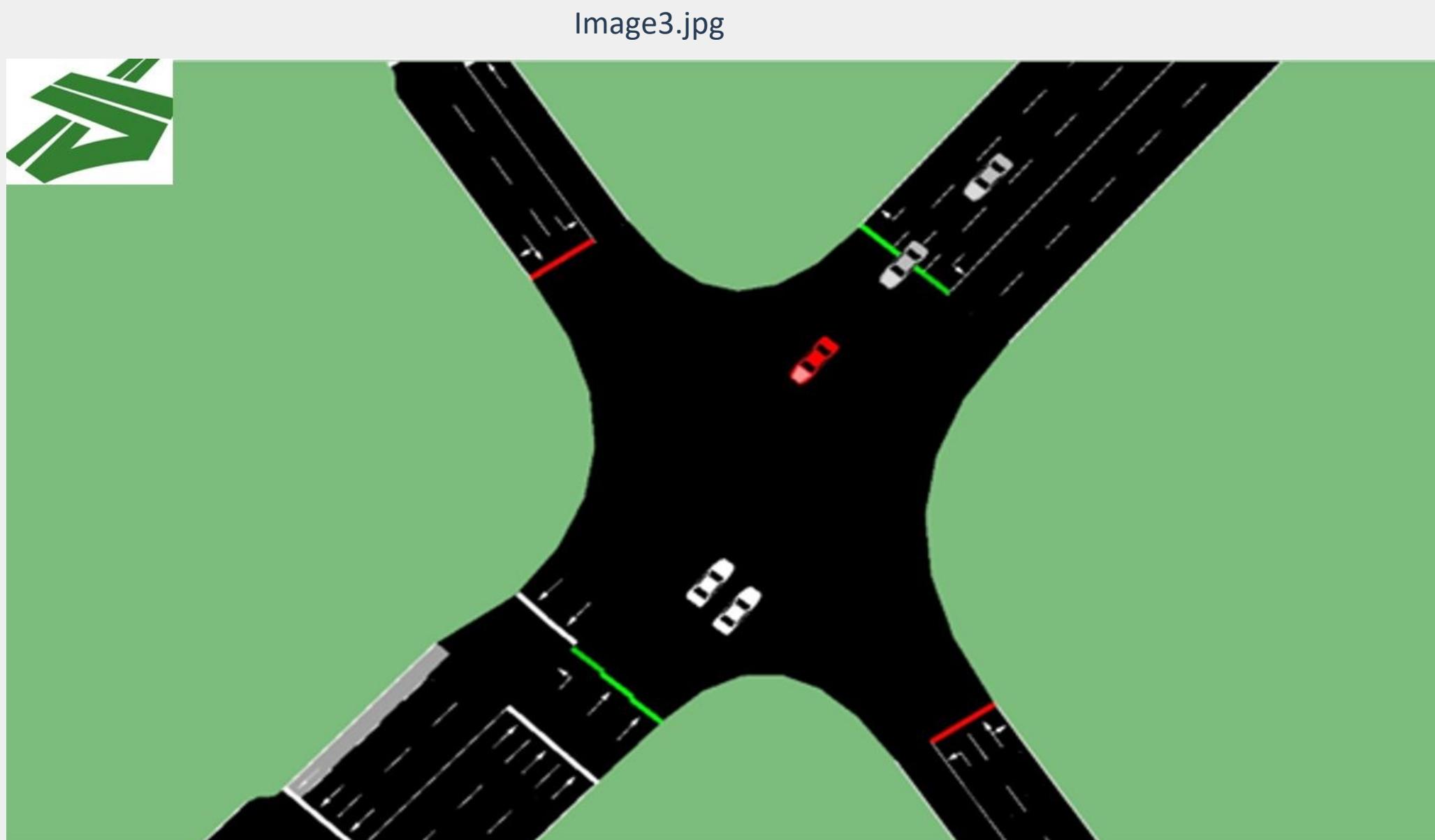
9. Replace Image2.jpg with your project images

Image2.jpg



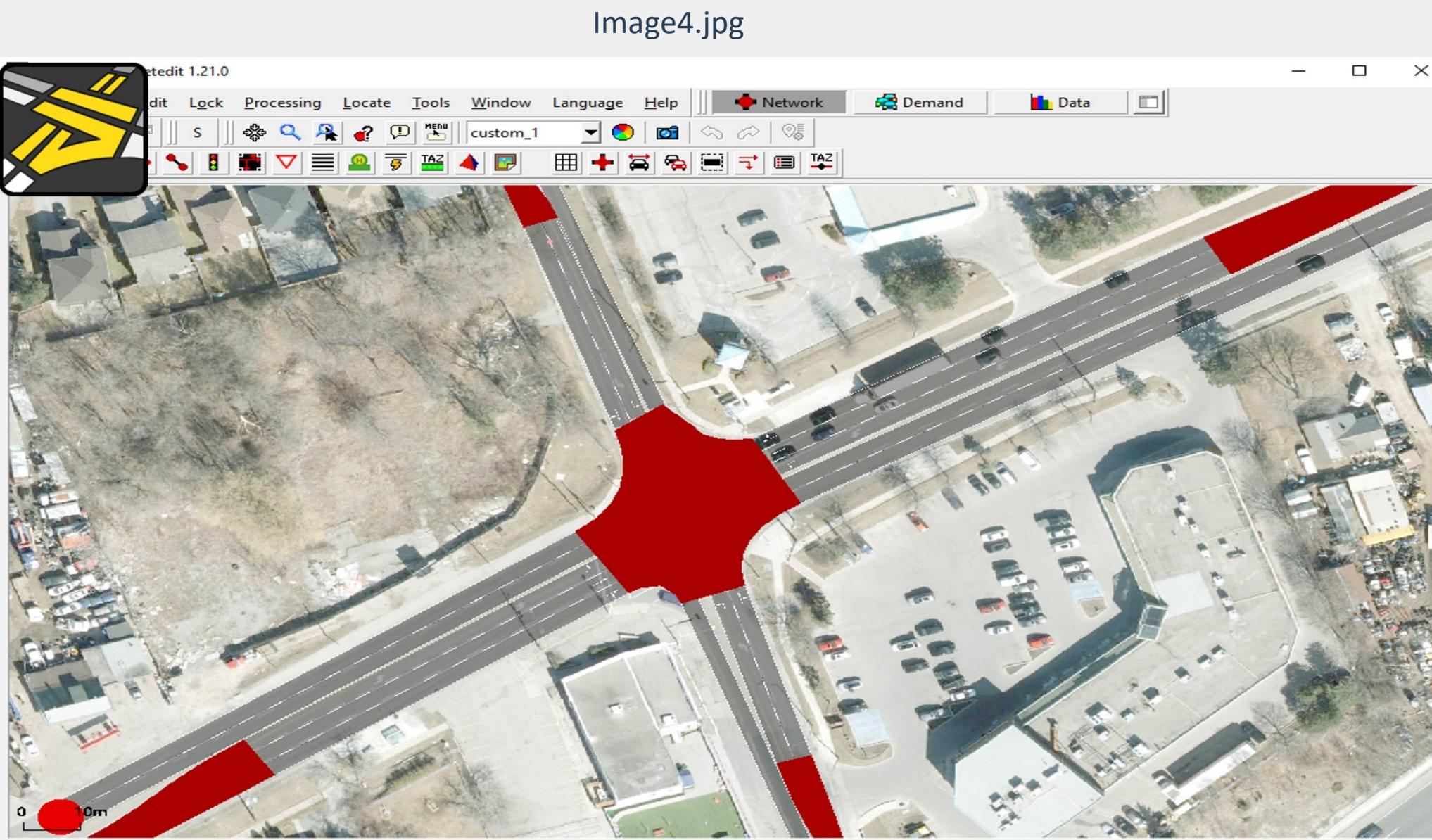
# Add Your Project Files (Videos, Images, Data)

10. Replace Image3.jpg with your project images



# Add Your Project Files (Videos, Images, Data)

11. Replace Image4.jpg with your project images



# Add Your Project Files (Videos, Images, Data)

12. Replace Image5.jpg with your project images

