



# **Road Capture Application**

## *Installation and User Guide*

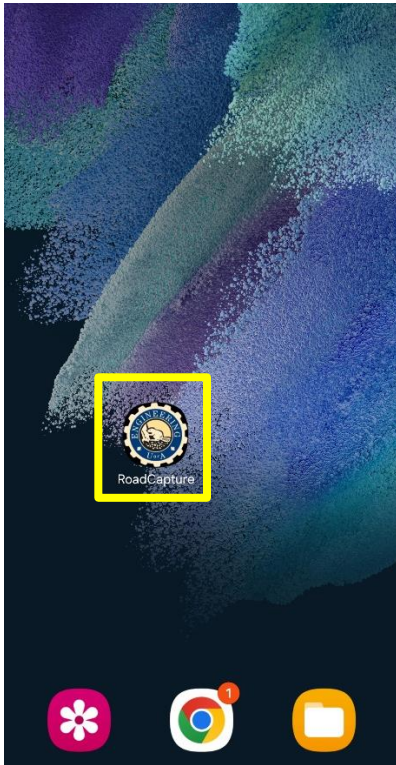
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# ***1. How to Use the Application for Road Capture***

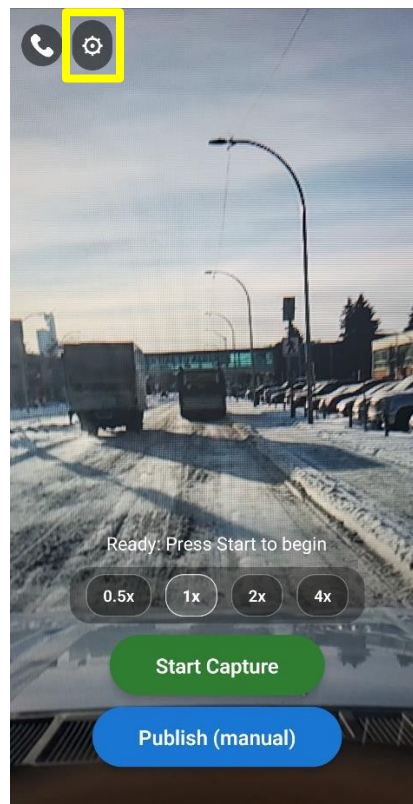
## ***Step 1:***

Locate and open the application from the home screen. The application is named **RoadCapture**.



## ***Step 2 (Optional):***

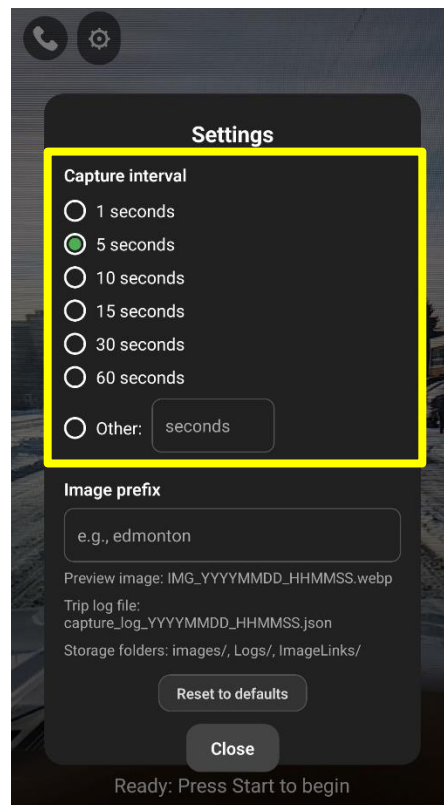
Tap the Settings icon to open the settings panel and check the settings.



### Step 2.1 (Optional):

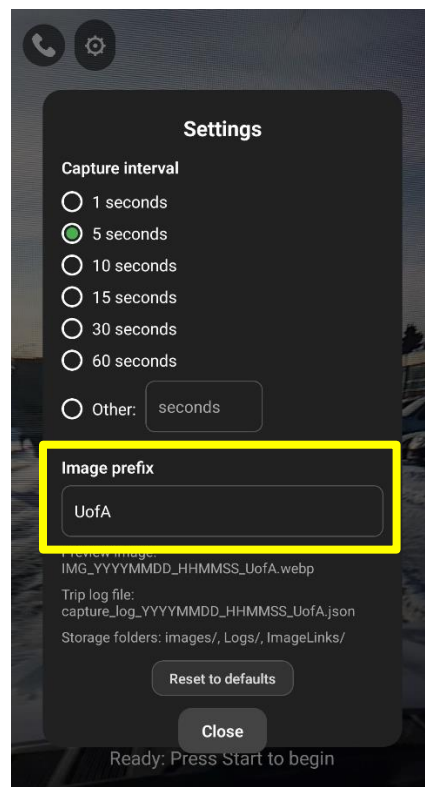
Confirm that the capture interval is set to 5 seconds. If requested, this is where several settings like the capture interval can be adjusted.

The default capture interval is **5 seconds**.



### Step 2.2 (Optional):

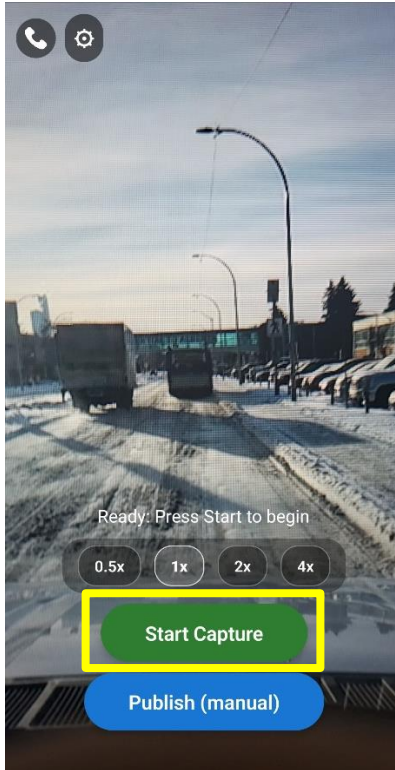
If requested, an image prefix can be added, which represent the trip intent, a keyword, or the vehicle itself. This prefix helps researchers organize and identify captured data. The default is **blank**.



### Step 3:

Tap the **Start Capture** button to begin road data collection.

The application will start capturing images and associated data automatically.

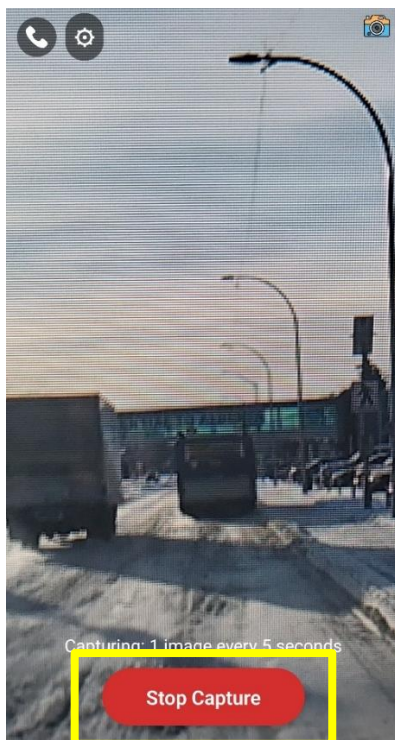


### Step 4:

After finishing the trip, and completing data capture, tap the **Stop Capture** button.

This action stops image capturing and automatically publishes the collected data to the cloud database.

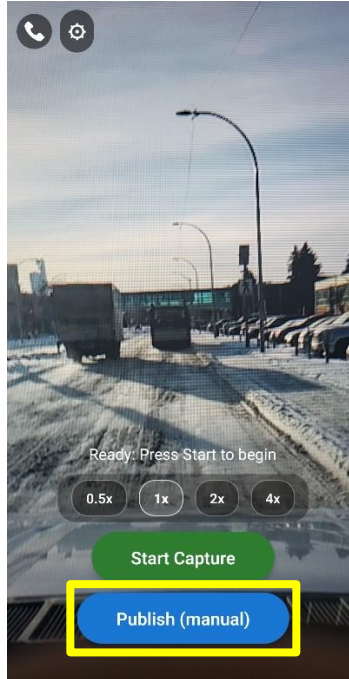
We also recommend to **Stop Capture** and then **Start Capture** every hour or so.



***Step 5 (If the device was offline or mobile data was disabled during driving):***

Tap the **Publish (Manual)** button to upload any missing files that were not previously synchronized with the cloud database.

It is recommended to **Publish** data at the end of each shift or every couple of hours.



## 2. How to Update the Application

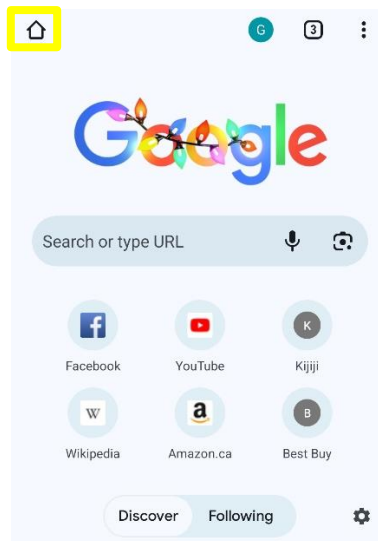
### Step 1:

Open **Google Chrome** from the home screen,



then either:

- Tap the home icon in the top-left corner, or

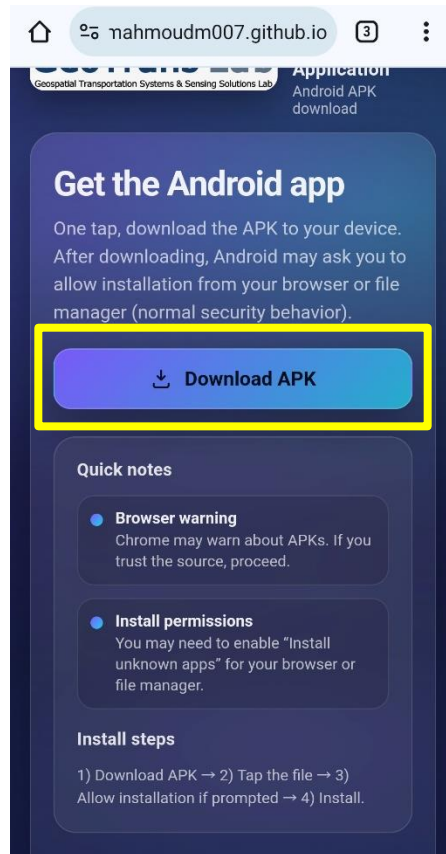


- Navigate directly to the following website: <https://mahmoudm007.github.io/RoadCapture-Website/>



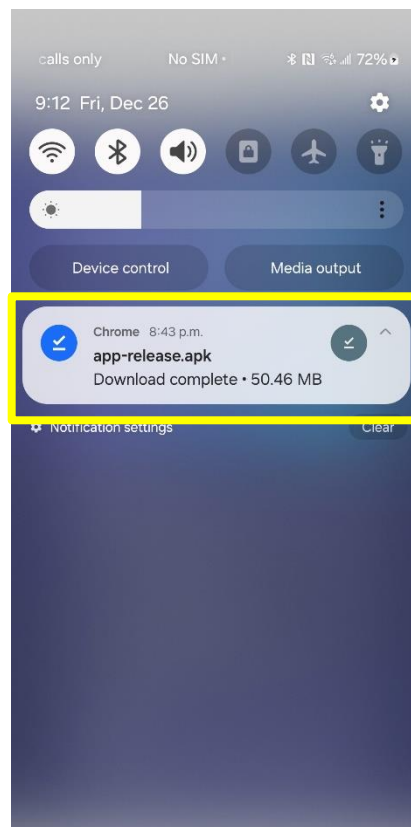
### Step 2:

Tap the **Download APK** button to begin downloading the latest version of the application.



### Step 3:

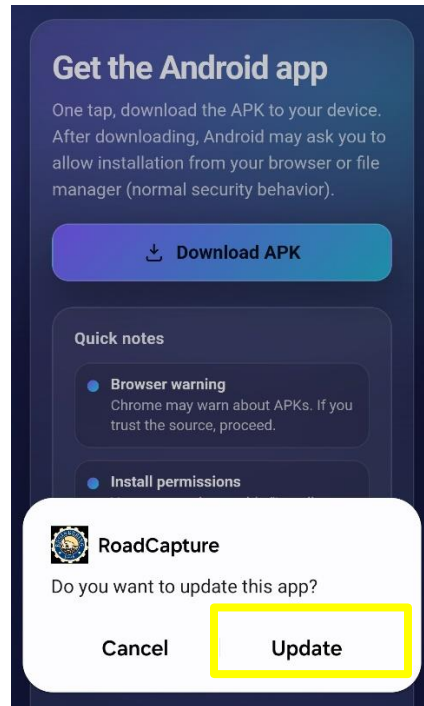
Once the APK file has finished downloading, tap on the file to open it.



#### Step 4:

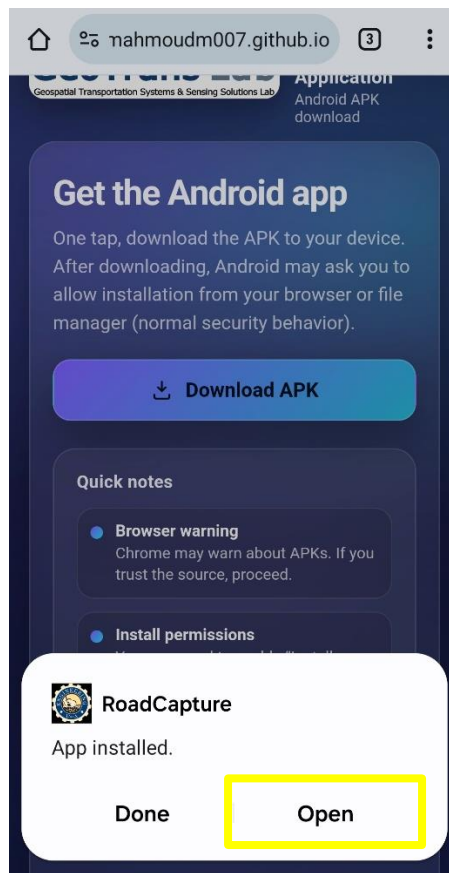
Tap the **Update** button to start the update process.

This may take a few moments to complete.



#### Step 5:

After the update finishes, tap **Open** to launch the application and verify that it is working correctly.

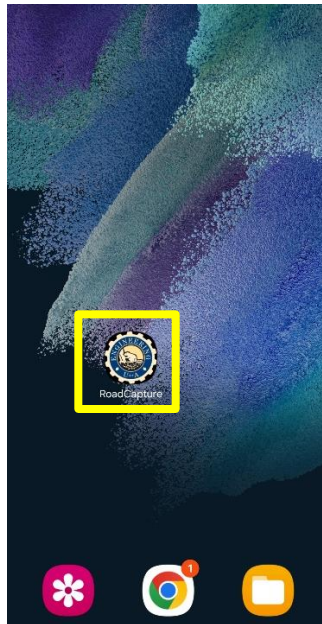




### ***3. How to Get Support or Fix Application Issues***

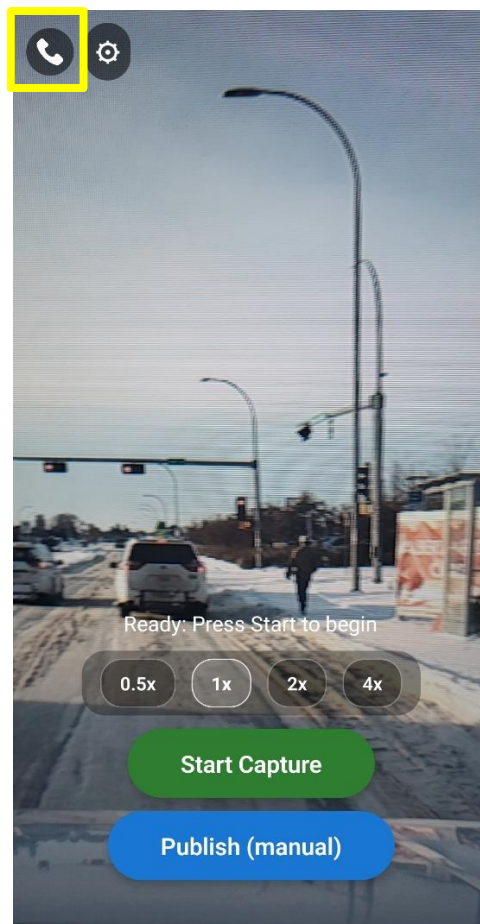
#### ***Step 1:***

Locate and open the **RoadCapture** application from the home screen.

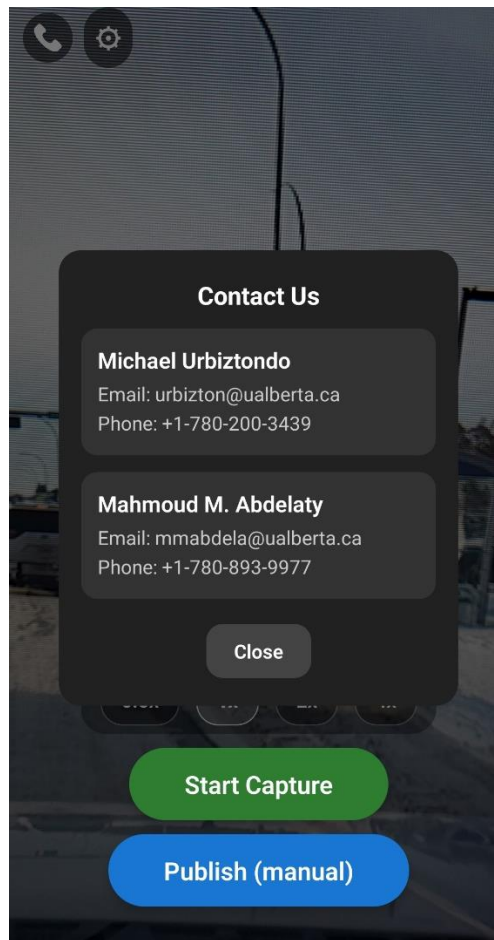


#### ***Step 2:***

In the top-left corner, tap the **Contact Us** icon.



This section contains the developers' contact information, which can be used to report errors, request support, or provide feedback regarding the application.



Please don't hesitate to give us a call, text, or email. We will do our best to respond as soon as possible. The primary person to contact is **Michael Urbiztondo**.