

# BE BETTER

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# Overview

- *Statistics*
- *Problem Statement*
- *Current Solution*
- *My Solutions*
- *SafeRide Guardian*
- *User Interface*
- *ML Prototype*
- *Question Session*



# Statistics

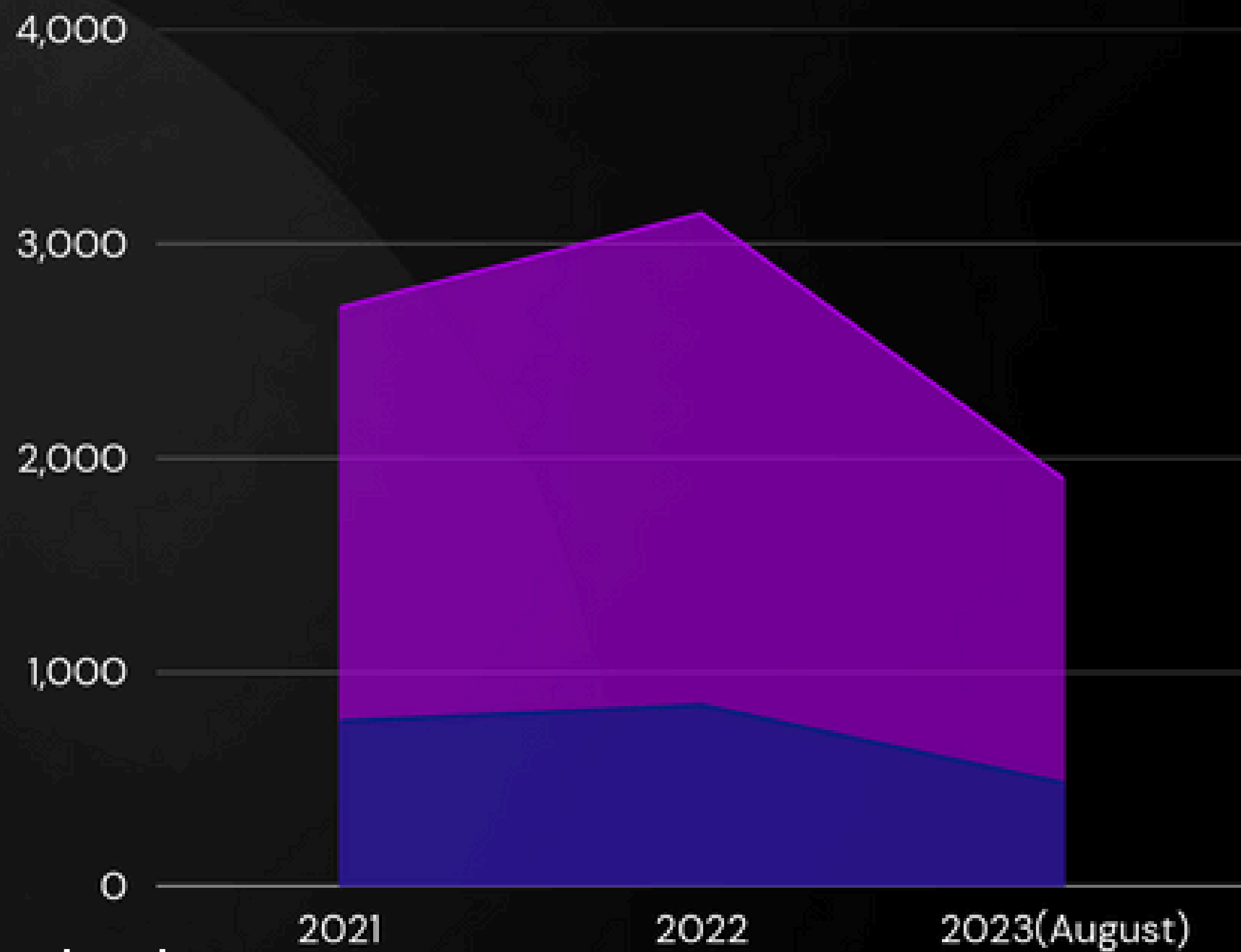
**9.85%**

Increase in Fatal  
Accidents

**18.78%**

Increase in Non  
Fatal Accidents

-Tiruppur Road Safety Department



# Problem Statement

*In recent years, road accidents have been steadily increasing, largely due to multiple contributing factors such as:*

- 1. Not wearing helmets*
- 2. Poor road conditions, including potholes*
- 3. Triple riding on two-wheelers*
- 4. Lack of speed breakers in critical zones*

*Among these, statistics reveal that a majority of the accidents involve two-wheelers, primarily due to negligence in adhering to traffic rules and safety regulations.*

# Our Understanding as per statistics

*Be Better is an application like snapchat which uses artificial intelligence to scan the number plates and incident.*

*Basically what happens is that we all must have noticed so many bikers crossing the signal ,not wearing helmets ,riding triples etc. we all just stand seeing them breaking the rules and we can also notice that the whole scenario changes when a traffic police comes into the scene . this change is observed because of the FEAR OF FINES.*

*Majority of them are not worried about the consequences of an accident but they are afraid of 'FINES' and we are going to utilize this fear in our concept*

# Our Solution 🔥🔥🔥

*We all know how a snapchat works ,we just take a snap of some random thing and share it with our friends and maintain the streak.*

*Be Better is also works on the same application but for different useful purpose to make the people of the society accountable .With this application we can improve the society by the society.*

*What happens is that when we notice some unlawful incidents taking in the surrounding we can just take a snap (5 sec clip)and upload it in our server .Then the AI part of our application comes into the play , AI verifies the clip(checks whether the laws are breached)and forwards it to the concerned authorities .*

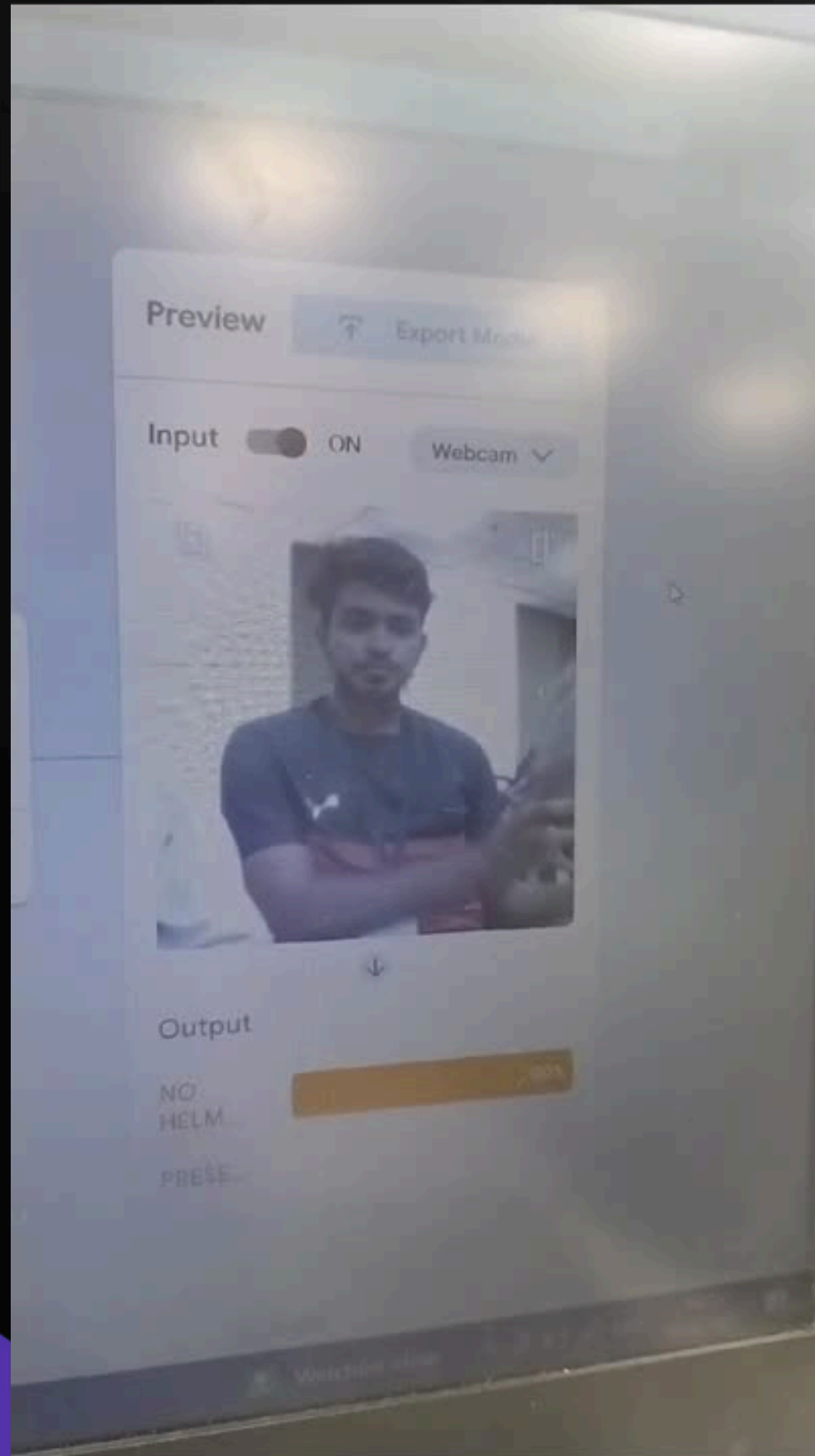






## ML Algorithm Workflow





This model:

teachablemachine.withgoogle.com/models/muW3RAbtO/

→ /model.json

The model architecture, used by TensorFlow.js library

→ /metadata.json

Contains the model metadata, for example class labels and version of library

→ /model.weights.bin

TensorFlow.js binary file containing the model weights

# 5K-6K DATASET!!!



# Future Plans

- 1. Outsourcing to Police Departments:** The technology can be provided to law enforcement agencies to improve accuracy, efficiency, and productivity in identifying traffic violations.
- 2. Insurance & RC Verification:** The system can use vehicle registration plates to check the insurance status and validity of the Registration Certificate (RC).
- 3. Deployment in Universities:** The product can also be implemented in university campuses to monitor and reduce rule violations by students, such as triple riding or not wearing helmets.



# THANK YOU

-Team OutLaws