



The first Embedded AI Vision hackathon

# Ocean Eyes

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with the support of:



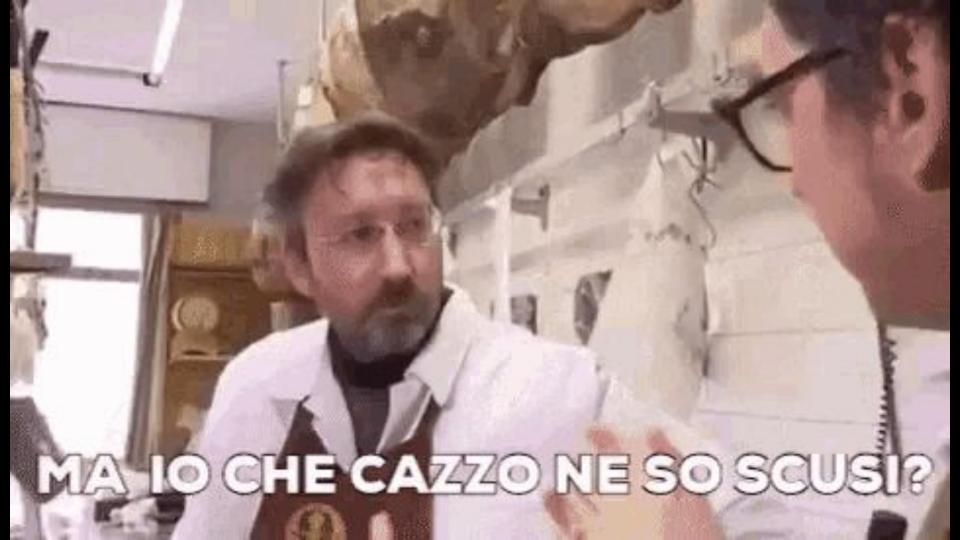










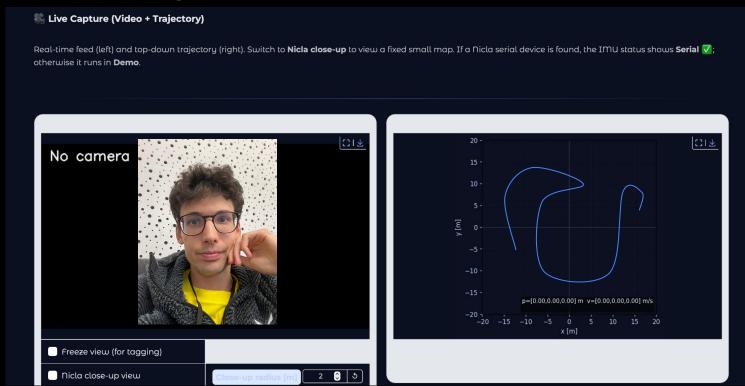


#### Dataset, Model and Deployment

- **Dataset:** 11 classes of ocean fishes
- Model architecture: nano classification model
- **Model evaluation:** 78% F1
- Get IMU and camera data → run fish classification!

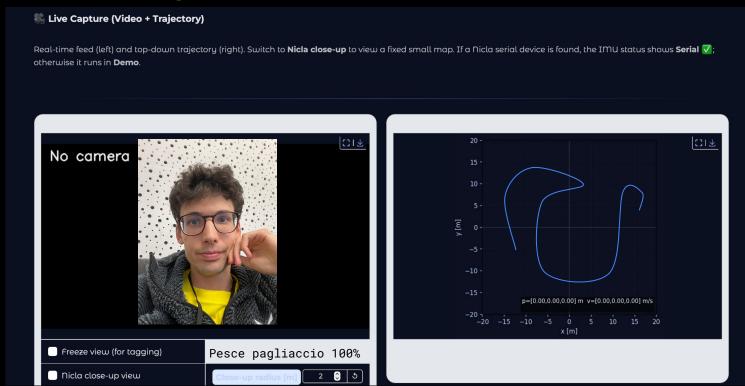


#### Demo & User Experience



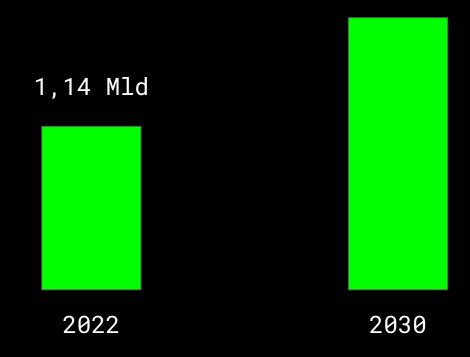


#### Demo & User Experience





#### Market



2,8 Mld



### **Future Works**



#### Future Works

Make something work :)

#### **Motivation**

Amatorial sub often do not pay attention to what they are watching, but mostly on the safety rules they have to respect. Moreover, what if you have interesting fishes behind you, you of your very limited field of view?

Here we go!

#### Ocean Eyes

