

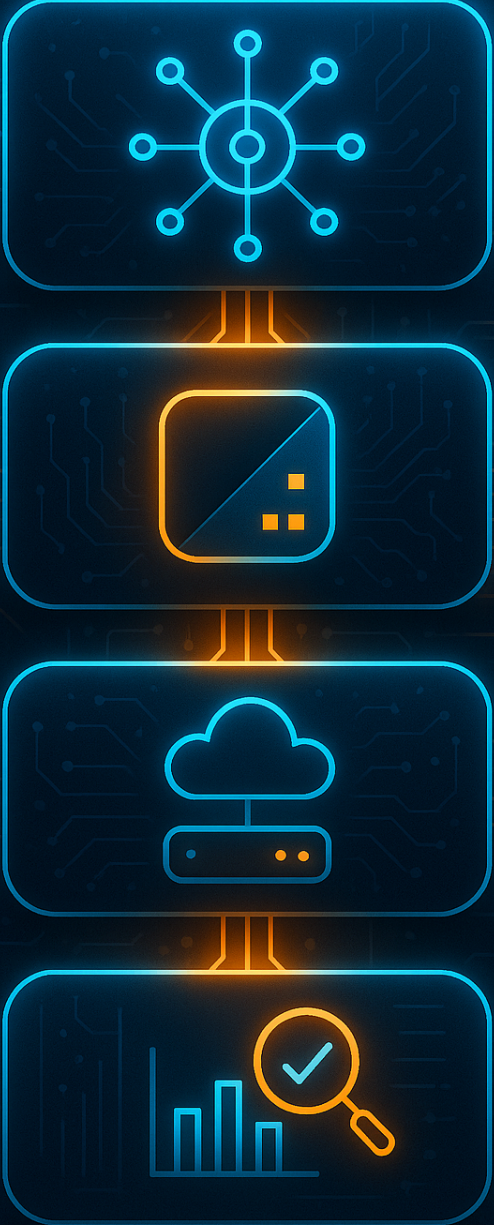


EDGE AI IN ACTION: MASTERING ON-DEVICE INFERENCE

— CVPR 2026 Tutorial —

The IEEE/CVF Conference on Computer Vision and Pattern Recognition 2026

Denver, CO, USA



TUTORIAL AGENDA

- 1 Introduction to Edge AI
- 2 Optimize and Deploy Models on Qualcomm
- 3 Porting LibreYOLOXs on Hailo-8L Chipset
- 4 LLM and VLM Deployment on Edge Devices
- 5 Closing Remarks and Joint Q&A

WHO ARE WE?

Organizers and Speakers



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[HTTPS://WWW.FABRICIONARCIZO.COM/CVPR2026-EDGE-AI-IN-ACTION](https://www.fabricionarcizo.com/cvpr2026-edge-ai-in-action)

LEARNING OUTCOMES FOR THE TUTORIAL

Step 01

UNDERSTAND THE FUNDAMENTALS OF EDGE AI

Gain a solid understanding of Edge AI, including its motivations, benefits, and key challenges.



Step 02

LEARN MODEL DEPLOYMENT STRATEGIES

Learn the processes involved in converting and optimizing AI models for deployment.



Step 03

PERFORMANCE ANALYSIS AND BENCHMARKING

Understand the metrics used to evaluate the performance of optimized models for Edge AI.



Step 04

NATURAL LANGUAGE PROCESSING

See techniques for adapting LLMs and VLMs for real-time inference on Qualcomm.





ReSound GN



Beltone™



Interton GN



DANAVOX GN



Jabra GN



blueparrott GN



FALCOM

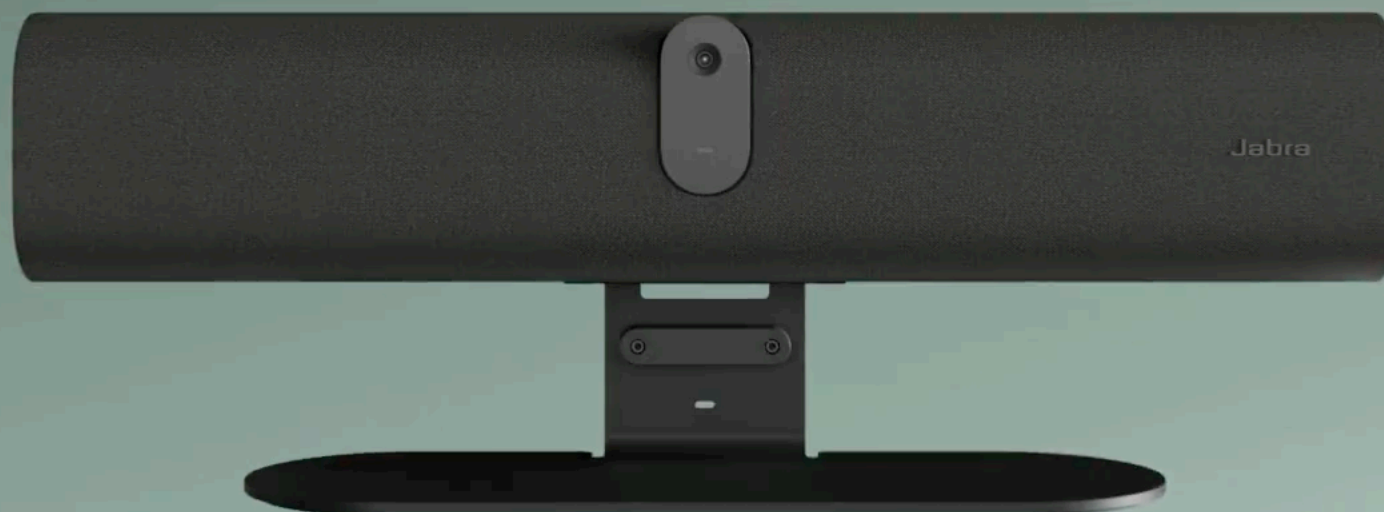


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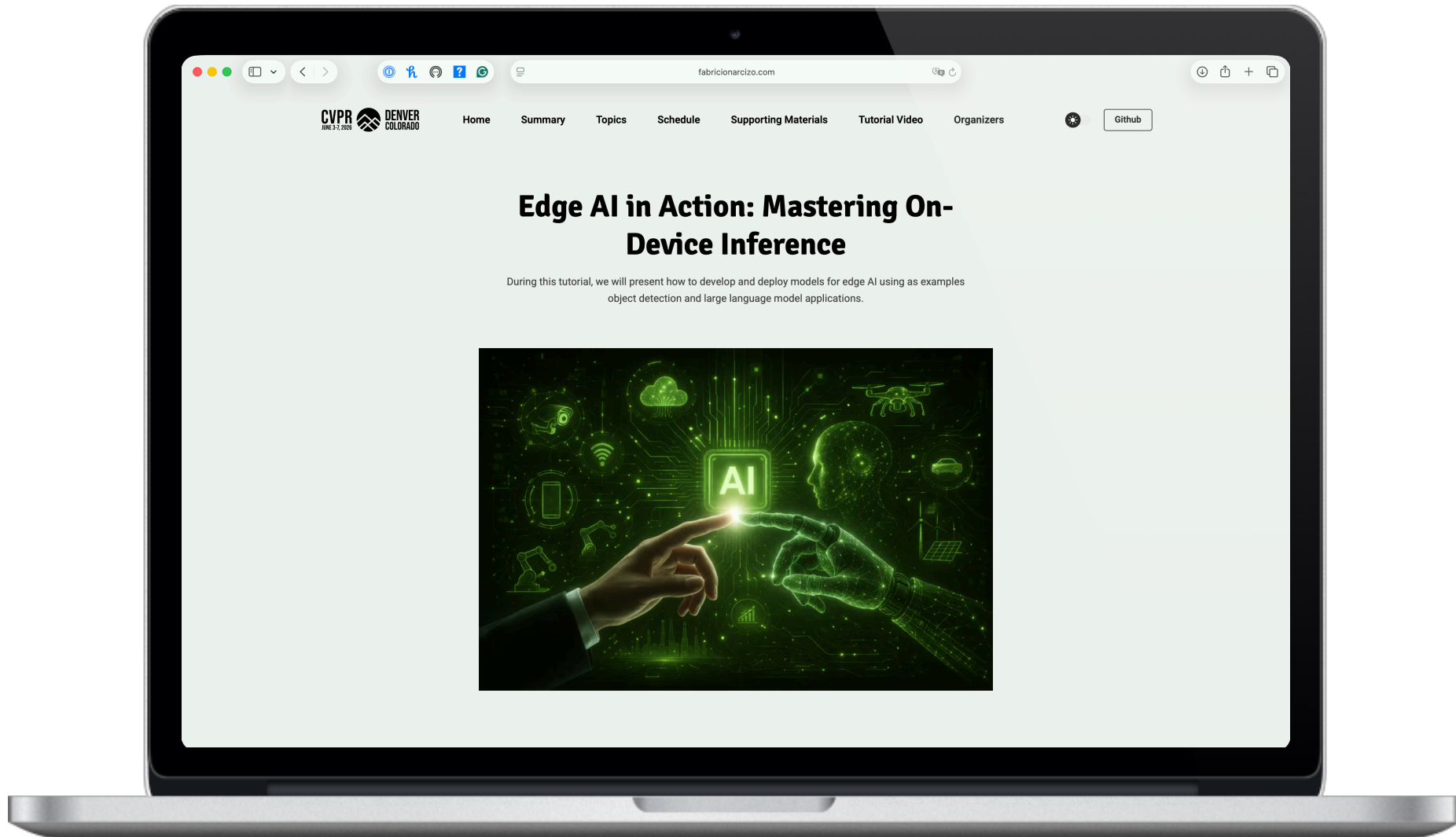
KONTROLFREEK

With PanaCast U30



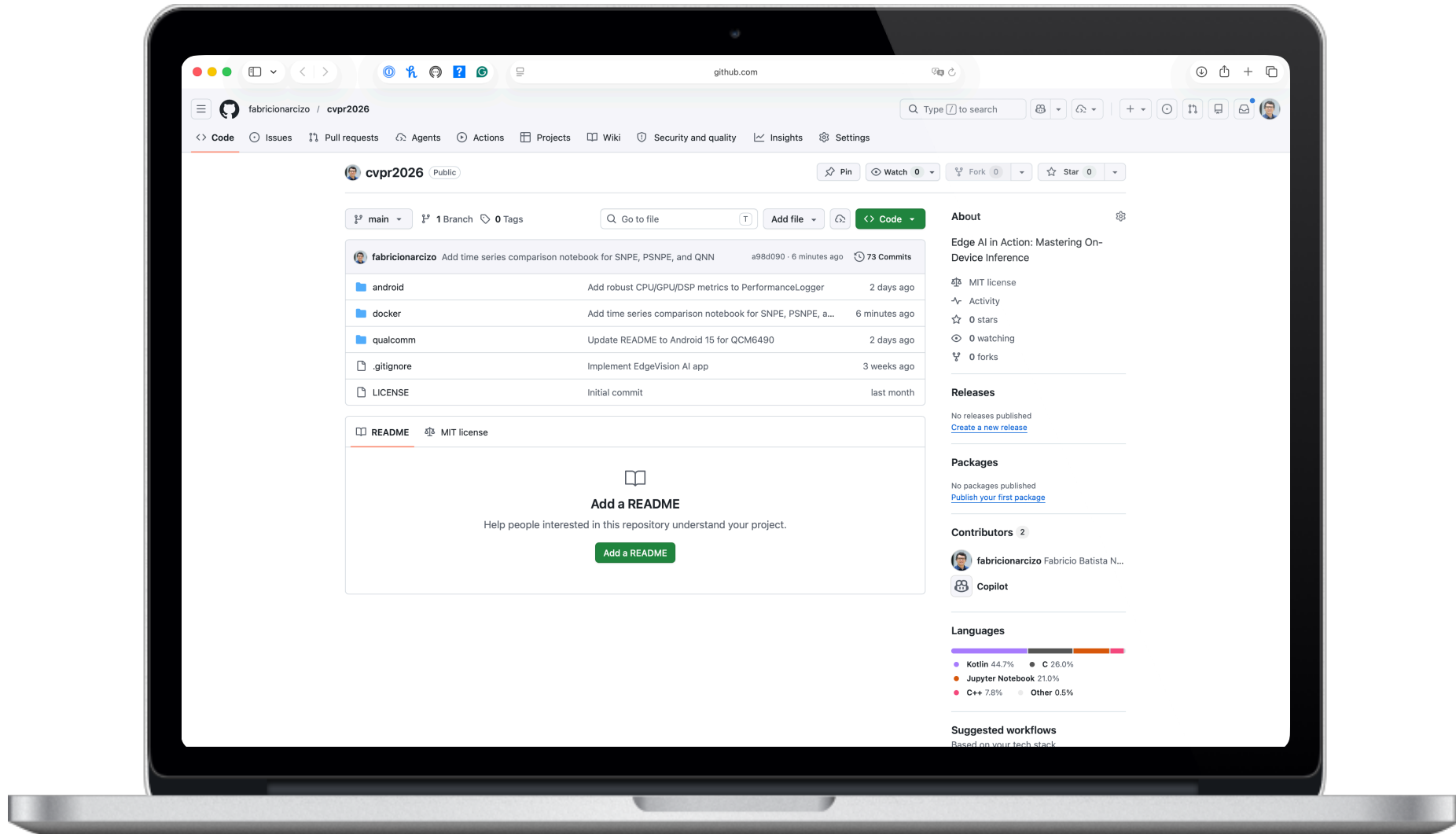
TUTORIAL WEBSITE

<https://www.fabricionarcizo.com/cvpr2026-edge-ai-in-action>



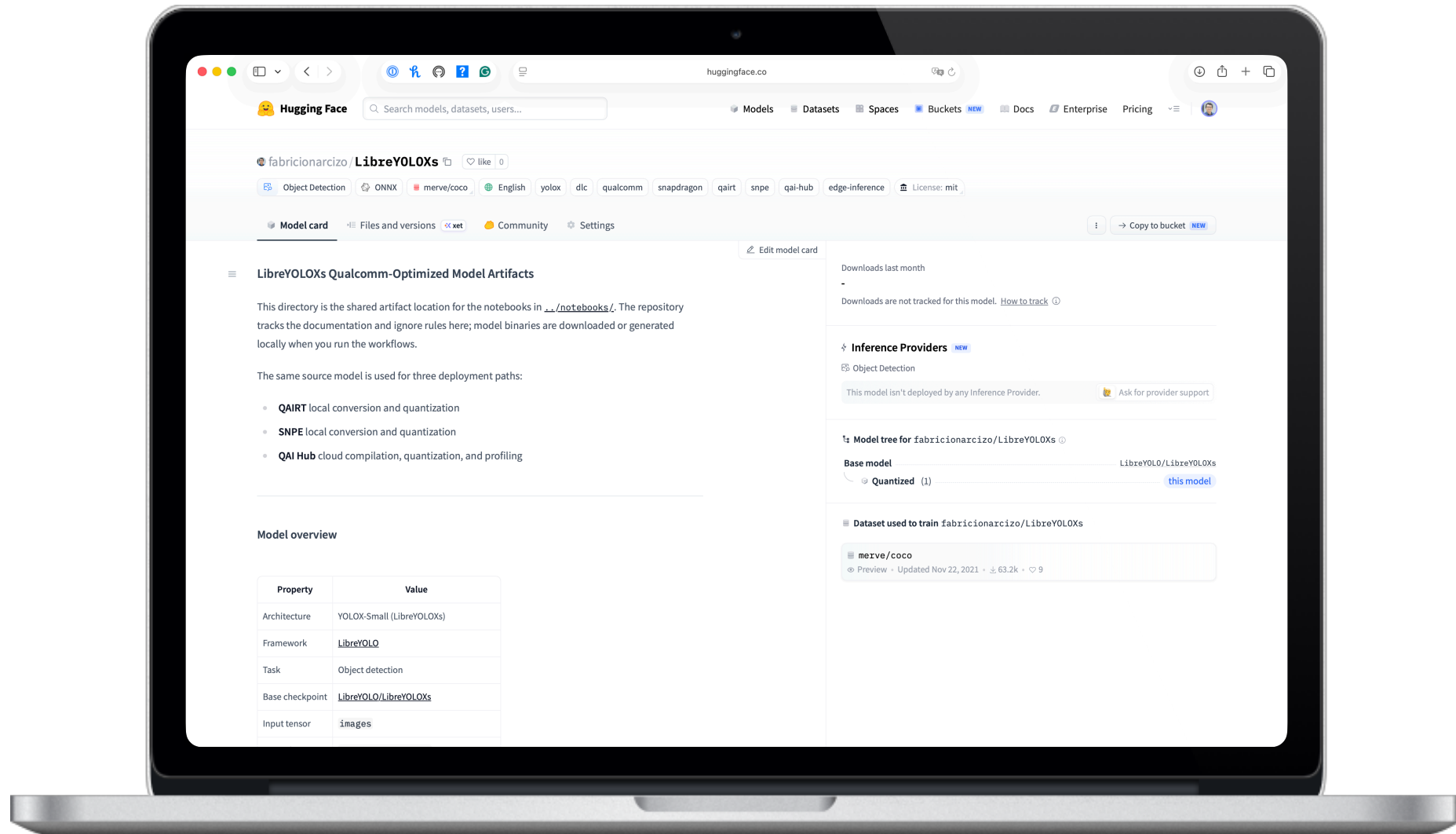
TUTORIAL GITHUB REPOSITORY

<https://github.com/fabricionarcizo/cvpr2026>



OPTIMIZED LIBREYOLOXS MODELS

<https://huggingface.co/fabricionarcizo/LibreYOLOxs>



WHO ARE YOU?

Academic and Professional Profiles

We would like to know more about you and your professional background to make this tutorial go as smoothly as possible.

WE ARE GOING TO USE MENTIMETER



MOBILE APPLICATION

Available on App
Store and Google Play



WEB BROWSER

Access the link:
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Mentimeter

Turn opinions into tangible data, in real-time.

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T H A N K Y U !