



# EDGE AI IN ACTION: PRACTICAL APPROACHES TO DEVELOPING AND DEPLOYING OPTIMIZED MODELS

— CVPR 2024 Tutorial —

The IEEE/CVF Conference on Computer Vision and Pattern Recognition 2024

Seattle, WA, USA



# TUTORIAL AGENDA

- 1** Introduction to Edge AI
- 2** Model Development for Edge AI
- 3** Model Deployment for Edge AI
- 4** Multi-Modal AI for Edge AI
- 5** Closing Remarks and Joint Q&A

# WHO ARE WE?

Organizers and Speakers



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# 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

### ACQUIRE KNOWLEDGE IN MODEL DEVELOPMENT

Master techniques and tools for developing efficient AI models suitable for edge devices



## Step 03

### LEARN MODEL DEPLOYMENT STRATEGIES

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



## Step 04

### EXPERIENCE CASE STUDIES

See real-world applications and case studies of the use and benefits of Edge AI



**AI**  
VIDEO

AI-powered meeting experiences

T H A N K Y O U !