

arm AI

AI Virtual Tech Talks Series



The First No-Code Voice AI Platform

Supporting Arm Cortex-M Microcontrollers

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Attendees: don't forget to fill out the survey to be in with a chance of winning an Arduino Nano 33 BLE board

AI Virtual Tech Talks Series

Date	Title	Host
April 13 th	The First No-Code Voice AI Platform for Arm Cortex-M-based Microcontrollers	Picovoice
April 27 th	Use Production Quality Tools to Build Smarter, Real-World IoT Products	SensiML
May 11 th	Bringing PyTorch Models to Arm Cortex-M Processors	AITS
May 25 th	Optimized C Code Generation for Ultra-efficient tinyML Applications	Imagimob

Visit: developer.arm.com/solutions/machine-learning-on-arm/ai-virtual-tech-talks

Presenters



Ali Kenarsari
CEO



Reza Rostam
Embedded Lead

What is Picovoice?

Picovoice platform empowers enterprises to create voice experiences that run entirely on-device and hence are private, reliable, and real-time unlike Alexa and Google.

Why Voice AI on MCU is hard?

1. Design the voice experience
 - Guess what the customer wants!
2. Data collection & model training
 - Data collection is expensive and time consuming
 - Start over if there are changes to the initial design
3. Choose a Hardware
 - Is this powerful enough to run the trained model in real-time?
4. Build a prototype
 - Does the customer like the voice experience?

How Picovoice Helps?

1. Design, train, and test models instantly using Picovoice Console
 - Reduce risk and shorten time-to-market
 - Focus on user experience
2. Deploy to target within minutes using Picovoice Shepherd
 - Remain Hardware agnostic
3. Get customer feedback
 - Create internal and external alignment without wasting resources
4. Build with confidence
 - Use open-source reference designs to build on your own terms

Start Building!

<https://picovoice.ai/docs/>

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Thank You

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Merci

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Gracias

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