Education in TinyML

Q&A Session with Marco Zennaro

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Introduction to TinyML in Education

What exactly is TinyML, and how does it relate to education?

Why is TinyML gaining momentum in the field of education?

What age groups can benefit from TinyML education and outreach?
Integration and Applications of TinyML in Edu.

How does TinyML enhance traditional educational methods?

What are some practical applications of TinyML in educational settings?

Can you provide examples of how TinyML is being integrated into curriculum development?

https://www.edx.org/professional-certificate/harvardx-tiny-machine-learning
What are the challenges educators might face when implementing TinyML in the classroom?

Are there any ethical or equity considerations surrounding the use of TinyML in education?
Benefits and Impact

How can TinyML help personalize learning experiences for students?

How can students benefit from learning about TinyML, both academically and professionally?

What skills do educators need to effectively teach TinyML concepts to students?
What resources are available for educators who want to incorporate TinyML into their teaching?

https://tinyml.seas.harvard.edu

https://mlsysbook.ai
Innovation and Future Trends

In what ways can TinyML contribute to fostering innovation and creativity among students?

What are some potential future developments or trends in the intersection of education and TinyML?
Can you share any success stories or case studies of TinyML implementation in educational institutions?
Wednesday, 8 May 2024

09:00 - 12:00 Education & Applications

09:00 Day Opening 5'

09:05 Educational Activities at TinyML Foundation 40'
Speaker: Evgeni GOUSEV (TinyML Foundation)

09:45 Experiences using TinyML tools in teaching biomedical engineering 40'
Speaker: Moises MEZA RODRIGUEZ (Universidad Peruana Cayetano Heredia, Peru)

10:25 TBD - Data Fusion in Tinyml, Model Compression, Model Aggregation, Weightless Neural Networks and applications in biology and federated learning 35'
Speaker: Claudio MICELI (UFRJ, Brazil)

11:00 Arduino and Education 55'
Speaker: David CUARTIELLES RUIZ (Arduino (Co-Founder))

11:55 Day Closing 5'
“The future of machine learning is tiny and bright!”