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Arm Ethos-U 微型 NPU 引领终端侧人工智能设备的创新

“Powering innovation in a new world of AI devices on the edge with microNPUs”

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Arm

随着端点和物联网设备的爆炸性增长，对人工智能终端侧设备的需求持续攀升。然而，加速终端侧人工智能仍然面临很多挑战。Arm 最新推出的微型 NPU 将在终端侧带来崭新的机器学习处理能力。通过支持更加低功耗和高效能的人工智能技术，Ethos-U 微处理器将在嵌入设备中解锁新的应用并带来前所未有的用户体验。在这个讲座中，我们将分享机器学习领域的最新突破如何帮您打造新一代智能嵌入式解决方案。

简介：

Tanuj Arora 是 Arm 人工智能团队的产品经理。他专注于嵌入式设备市场，全面负责 Ethos-U 神经处理单元产品线。在加入 Arm 之前，Tanuj 曾在思科集团致力于通讯网络供应商的网络优化。

Abstract

With the explosion of endpoint/IOT devices, the demand for compute intelligence on the edge continues to increase. However accelerating Machine Learning (ML) /AI on the edge is a complex task. Newly available micro-network processor units (micro-NPUs) enables a significant change in Machine Learning processing on the edge. By enabling low cost and highly efficient AI solutions, the micro-NPUs such as Arm's Ethos-U unlock new applications/capabilities on embedded devices like never before. In this session, learn more about the latest advancements in Machine Learning solutions for the next generation of embedded devices.

Biography

Tanuj Arora is a product manager in the machine learning group at Arm. He's focused on the embedded market and is currently working on the Ethos-U NPU product line. Previously he has worked at Cisco Systems optimizing networks for telecom service providers.