

How AMD, Arm, Intel, NVIDIA, and Qualcomm help developers build AI solutions

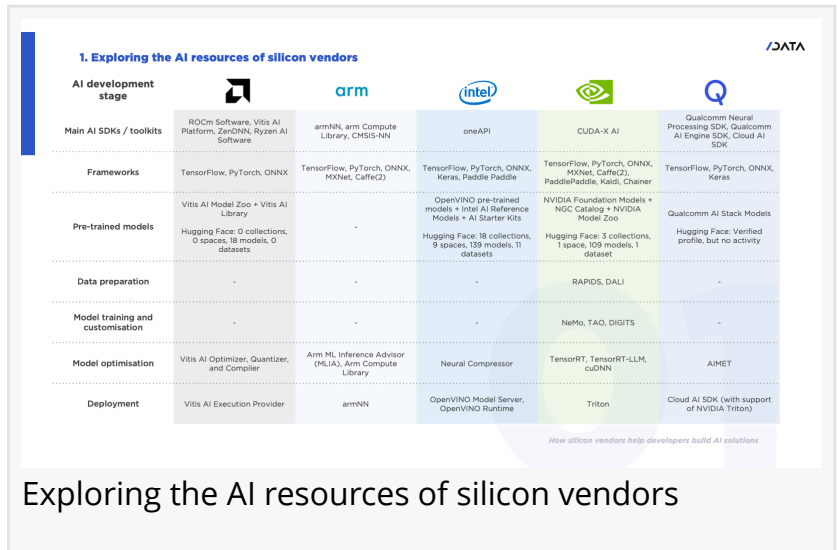
SlashData publishes an industry report that shares an overview of the AI development resources offered by AMD, Arm, Intel, NVIDIA, and Qualcomm.

MANCHESTER, MANCHESTER, UNITED KINGDOM, September 13, 2024

[/EINPresswire.com/](https://EINPresswire.com/) -- SlashData

publishes an industry report, "[How Silicon vendors help developers build AI solutions](#)", to share an overview of the AI development resources offered

by five semiconductor companies: AMD, Arm, Intel, NVIDIA, and Qualcomm.



AI development stage	amd	arm	intel	nvidia	qualcomm
Main AI SDKs / toolkits	ROCm Software, Vitis AI Platform, ZenDNN, System AI Software	armNN, arm Compute Library, CMSIS-NN	oneAPI	CUDA-X AI	Qualcomm Neural Processing SDK, Qualcomm AI Engine SDK, Cloud AI SDK
Frameworks	TensorFlow, PyTorch, ONNX	TensorFlow, PyTorch, ONNX, MXNet, Caffe2	TensorFlow, PyTorch, ONNX, Keras, PaddlePaddle	TensorFlow, PyTorch, ONNX, MXNet, Caffe2, PaddlePaddle, Keras, Chainer	TensorFlow, PyTorch, ONNX, Keras
Pre-trained models	Vitis AI Model Zoo + Vitis AI Library Hugging Face: 0 collections, 0 spaces, 18 models, 0 datasets	-	OpenVINO pre-trained models + Intel AI Reference Models + AI Starter Kits Hugging Face: 18 collections, 9 spaces, 139 models, 11 datasets	NVIDIA Foundation Models + NSC Catalog + NVIDIA Model Zoo Hugging Face: 3 collections, 1 space, 109 models, 1 dataset	Qualcomm AI Stack Models Hugging Face: Verified profile, but no activity
Data preparation	-	-	-	RAPIDS, DALI	-
Model training and customisation	-	-	-	NeMo, TAO, DIGITS	-
Model optimisation	Vitis AI Optimizer, Quantizer, and Compiler	Arm ML Inference Advisor (MLIA), Arm Compute Library	Neural Compressor	TensorRT, TensorRT-LLM, cuDNN	AIMET
Deployment	Vitis AI Execution Provider	armNN	OpenVINO Model Server, OpenVINO Runtime	Triton	Cloud AI SDK (with support of NVIDIA Triton)

How silicon vendors help developers build AI solutions

Exploring the AI resources of silicon vendors

The report explores the various SDKs, tools, educational resources, community efforts, and technical support each vendor offers, highlighting their strengths and unique value propositions.



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Silicon Vendors industry report

As Artificial intelligence (AI) continues to permeate every aspect of our lives, the demand for robust AI development tools and resources continues to rise. To meet this demand, several semiconductor product vendors have created their own AI stacks, providing developers with the necessary tools and resources to build, train, and deploy AI models.

The industry report is freely available to everyone and can be accessed in the SlashData [Research Space](#).

This report comes from SlashData's new service: [Competitive Market Research](#). This new service powers strategic decision-making by unlocking insights from information that is already publicly available through SlashData's competitive and B2B market research.

This includes:

- Analysis of competitive offerings
- Go-To-Market strategy and strategy fine-tuning
- Sales enablement
- Market landscape overview and key players
- Data to support or generate strategic hypotheses

Competitive Market Research can also work in parallel with the second new service introduced: Qualitative

research. Qualitative research allows us to explore complex topics that can't be easily quantified and read between the lines on the market's burning questions.

Those interested in understanding more about SlashData Research or their industry landscape can get in touch with SlashData.

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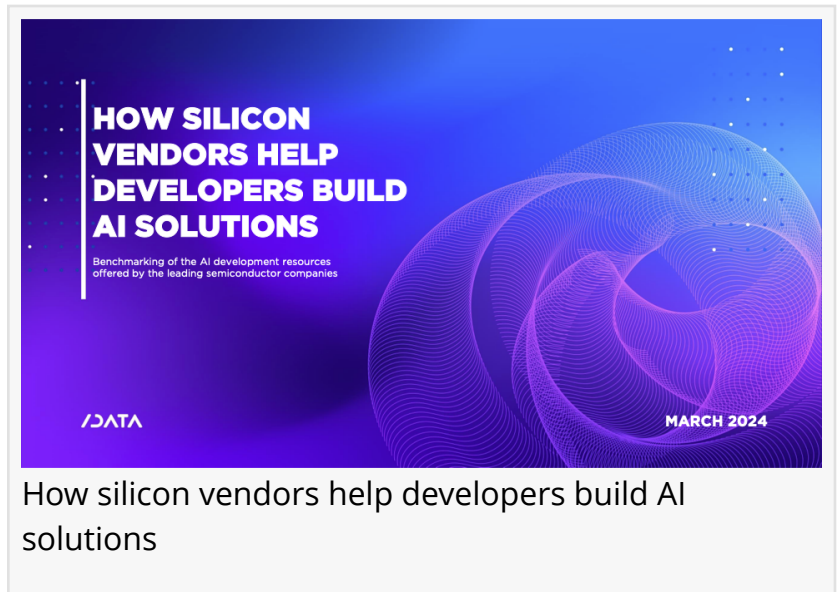
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