

# 工業技術研究院

Industrial Technology  
Research Institute

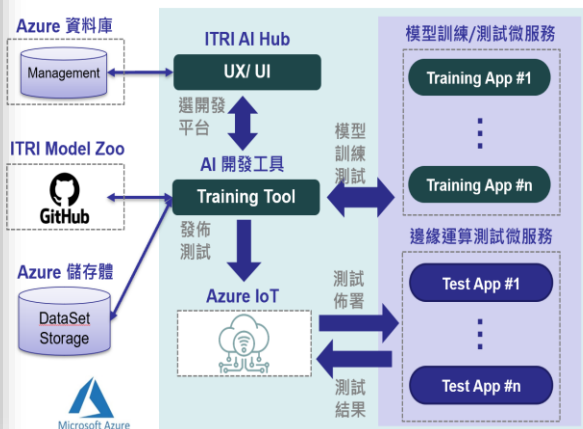
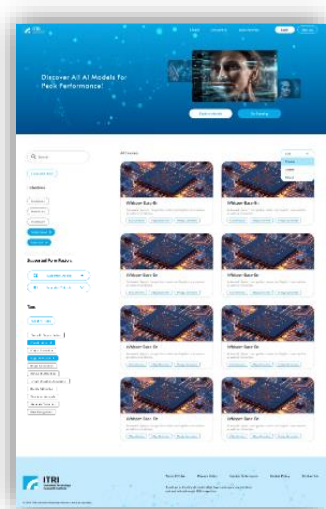
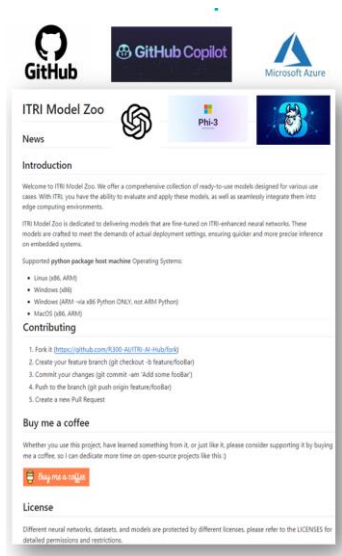
電光所 異質整合智能系統組 (R組)

## ITRI (R組) AI Hub

Anita Wu  
2024/11/06



# AI 模型軍火庫，嵌入式硬體無限創新

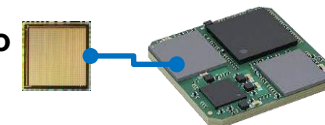


## 持續AI應用開發，持續軟硬整合，持續自動測試

### 專注生成式AI應用開發

長期抗戰: 符合國內外IC/IP 大廠開發策略，持續開發，提供服務。

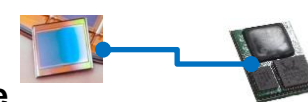
MTK Genio 700 die



ITRI異質封裝 OSM模組

(4.5 x 4.5cm)

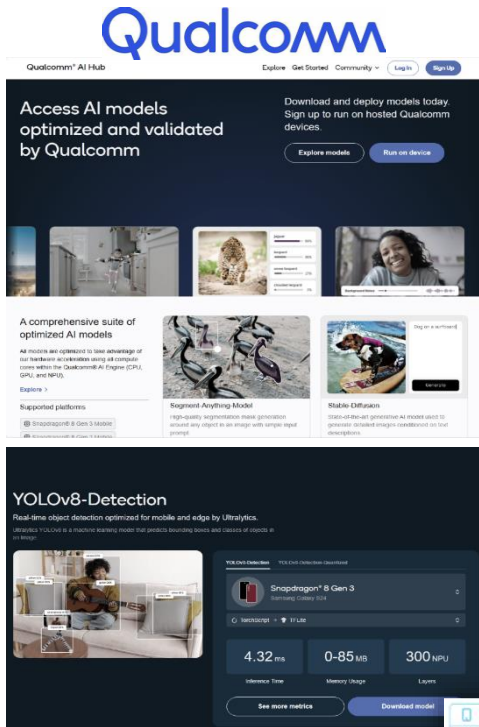
MTK Genio 130 die



ITRI 低延遲影像SiP

(1 x 1.3cm)

# ITRI AI Hub UI/UX 優勢

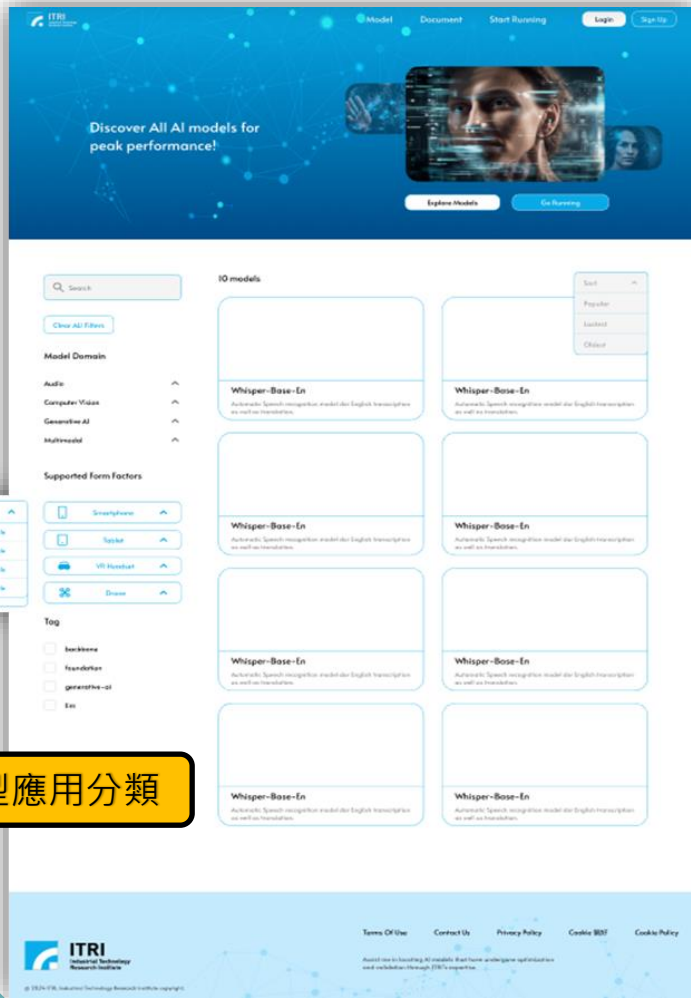


友善的使用介面

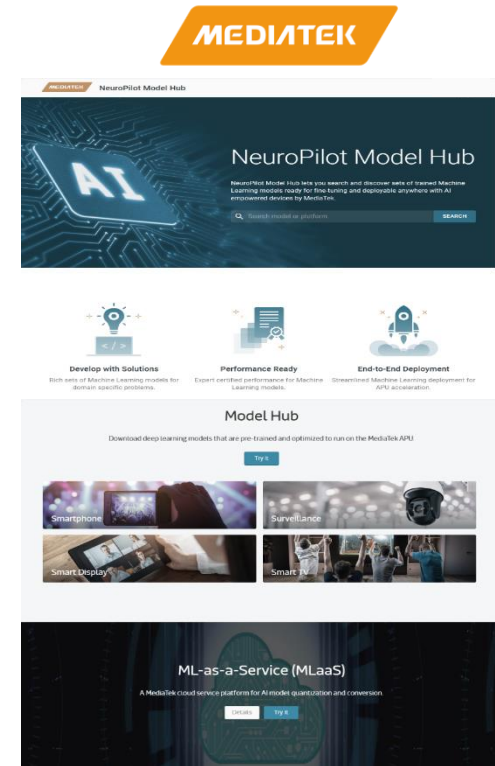
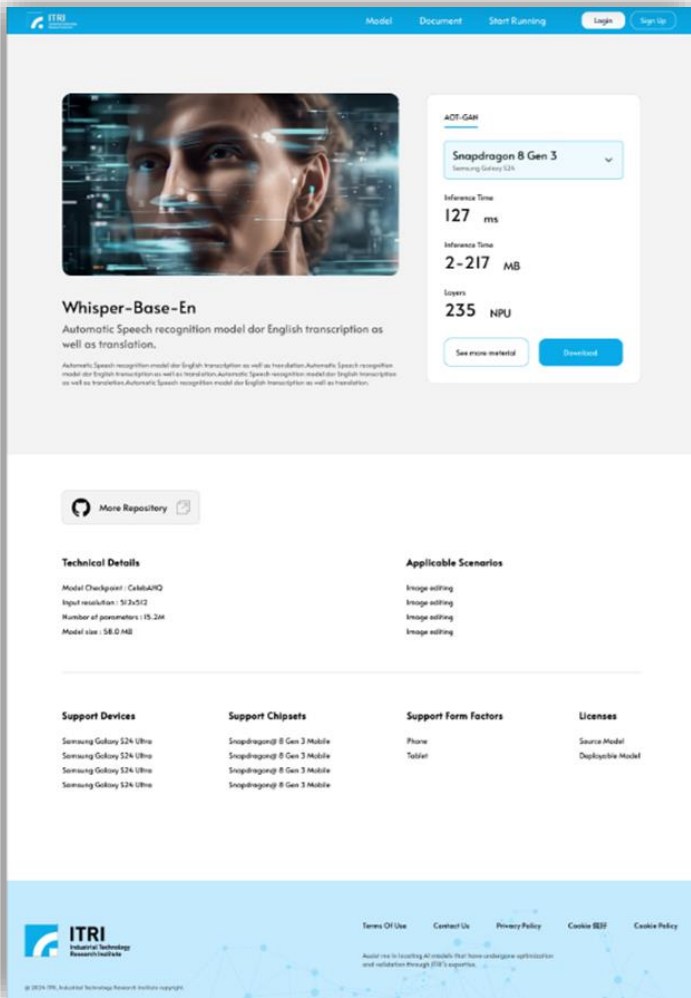


ITRI  
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直觀的模型介紹



清晰的模型應用分類



# ITRI AI Hub features

適用不同硬體 AI模型

模型性能的Benchmark

Easy to start with!

智慧工廠  
智慧醫療  
智慧生活

Discover All AI models for peak performance!

Model Domain: Audio, Computer Vision, Generative AI, Multimodal

Supported Form Factors: Smartphone, Tablet, VR Headset, Drive

Tags: lockless, federated, generative-ai, Em

Model List (Whisper-Base-En):

Model Name	Description
Whisper-Base-En	Automatic Speech recognition model for English transcription as well as translation.
Whisper-Base-En	Automatic Speech recognition model for English transcription as well as translation.
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Whisper-Base-En	Automatic Speech recognition model for English transcription as well as translation.

Whisper-Base-En  
Automatic Speech recognition model for English transcription as well as translation.

Technical Details:

- Model (Checkpoint): Colab4HD
- Input resolution: 16x16x16
- Number of parameters: 15.2M
- Model size: 58.0 MB

Support Devices:

- Samsung Galaxy S24 Ultra
- Samsung Galaxy S24 Ultra
- Samsung Galaxy S24 Ultra
- Samsung Galaxy S24 Ultra

Support Chipsets:

- Snapdragon® 8 Gen 3 Mobile
- Snapdragon® 8 Gen 3 Mobile
- Snapdragon® 8 Gen 3 Mobile
- Snapdragon® 8 Gen 3 Mobile

Support Form Factors:

- Phone
- Tablet

Licenses:

- Source Model
- Duplicate Model

Performance Metrics (for AOT-GAN on Snapdragon 8 Gen 3):

- Inference Time: 127 ms
- Memory Usage: 2-217 MB
- Layers: 235 NPU

### What We Do?

Automatic Speech recognition model for English transcription as well as translation.

Workflow: Upload model → Auto optimize for target device → Validate performance with hardware → Optimize model & performance report → Deploy

### Installation

Automatic Speech recognition model for English transcription as well as translation. Automatic Speech recognition model for English transcription as well as translation. Automatic Speech recognition model for English transcription as well as translation. Automatic Speech recognition model for English transcription as well as translation. Automatic Speech recognition model for English transcription as well as translation. Automatic Speech recognition model for English transcription as well as translation.

Footer: ITRI Industrial Technology Research Institute. Jobs, Models, Documentation. A213@ipmi.com

Job Name	Job ID	Status	Target Device	Creator	Submission Time
whisper_base_en_0001	1652894	Ready	SamsungGalaxyS23	123@ipmi.com	2024MAR 2 11:48:22
whisper_base_en_0002	1652895	Failed	SamsungGalaxyS23	123@ipmi.com	2024MAR 2 11:48:22
whisper_base_en_0003	1652896	Preparing	SamsungGalaxyS23	123@ipmi.com	2024MAR 2 11:48:22



# Github Opensource Page 開發文件

<https://r300-ai.github.io/>

Developer Zone

Home

Get Started

- Genio EVKs
- I-Pi SMARCs
- RaspberryPis
- Jetson EVKs

Workstation

- CUDA
- ROCm

Compiler

- Data Compiler
- Open VINO
- Vitis AI
- NeuronPilot

Runtime APIs

- KleidAI
- ArmNN
- TensorRT
- HailoRT

Benchmarks

Use Case

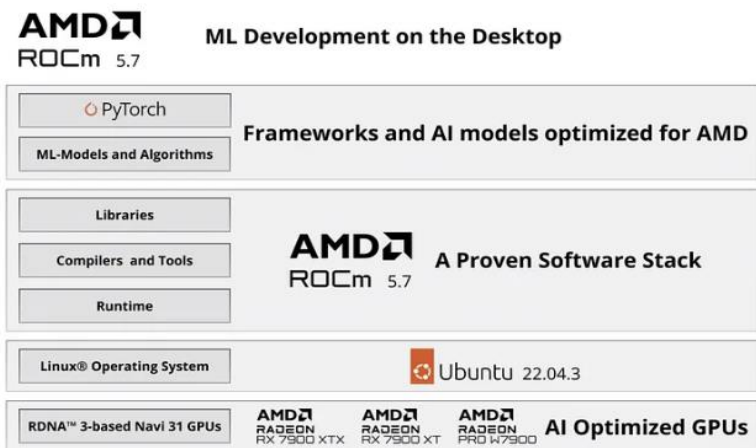
- Case 1

This site uses [Just the Docs](#), a documentation theme for Jekyll.

Q Search Developer Zone

## Install AMD Radeon Driver on Ubuntu 22.04 LTS

update : 2024/10 by Markov Chen



Step 1: Install AMD unified driver package repositories and installer script

Run the following commands to install the AMD unified driver package repositories and installer script:

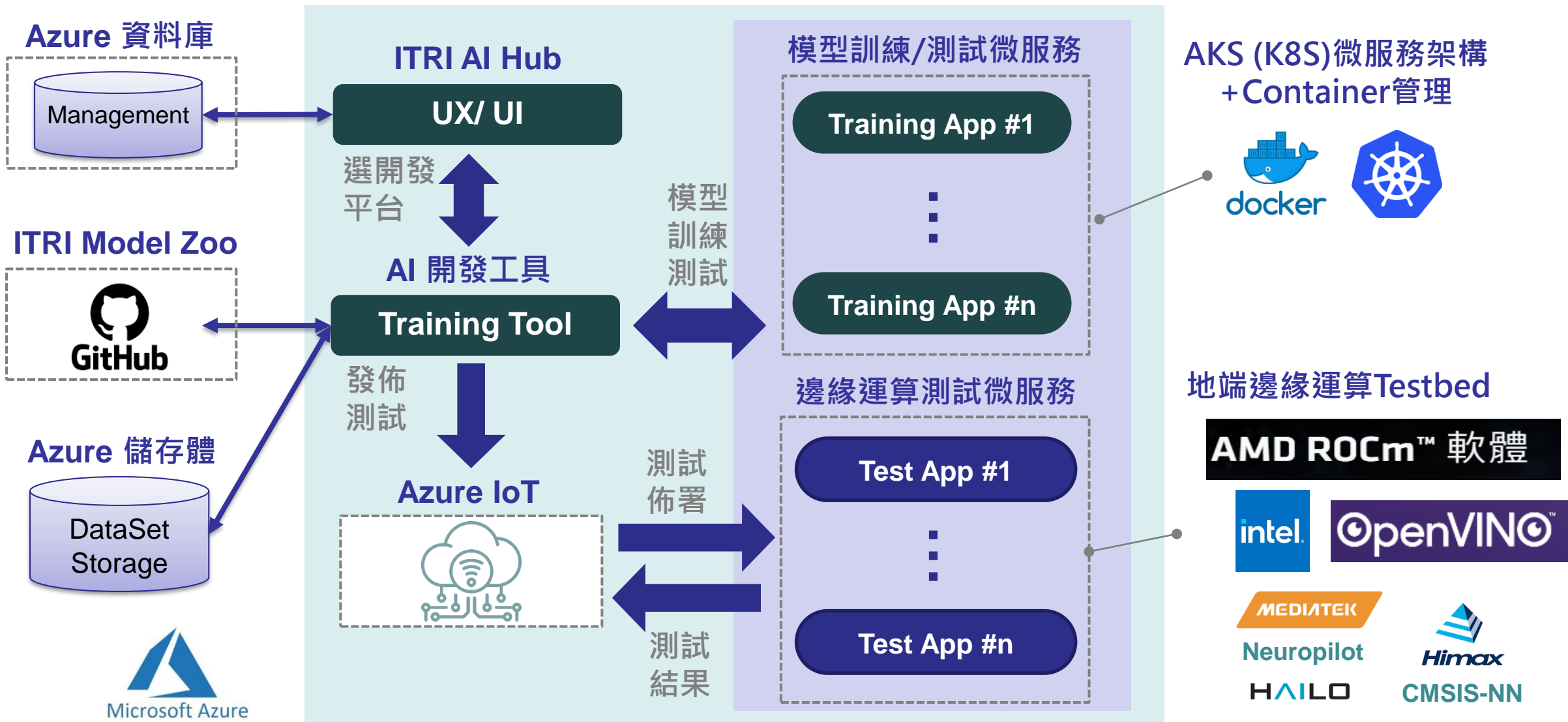
```

$ sudo apt update
$ wget https://repo.radeon.com/amdgpu-install/6.2.3/ubuntu/jammy/amdgpu-install_6.2.60203-1_all.deb
$ sudo apt install ./amdgpu-install_6.2.60203-1_all.deb

```

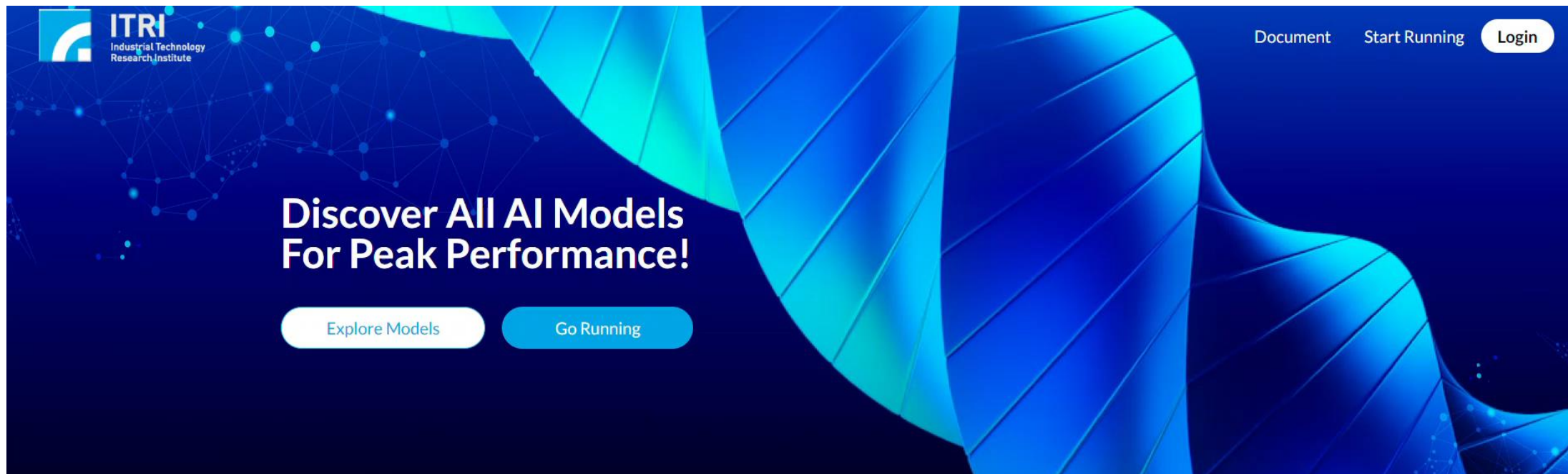
# INNOVATION

# ITRI AI Hub + MS Co-Lab



# ITRI AI Hub

<https://itri-aihub.azurewebsites.net/>



The hero banner features a dark blue background with abstract, glowing blue and cyan geometric shapes. In the top left corner is the ITRI logo (Industrial Technology Research Institute). In the top right corner are the links 'Document', 'Start Running', and a 'Login' button. The main text reads 'Discover All AI Models For Peak Performance!'. Below this text are two buttons: 'Explore Models' and 'Go Running'.

Search

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Industries

All 27 models

Latest





敬請指教