

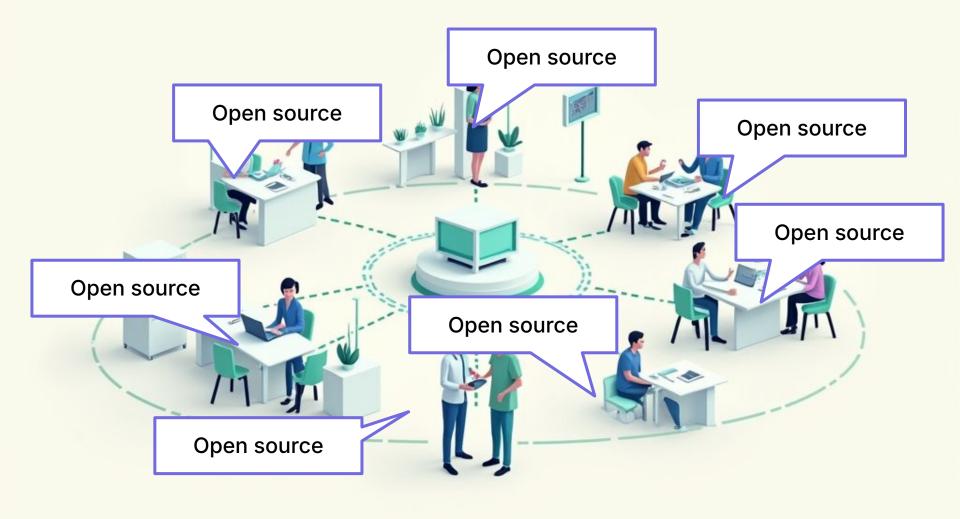


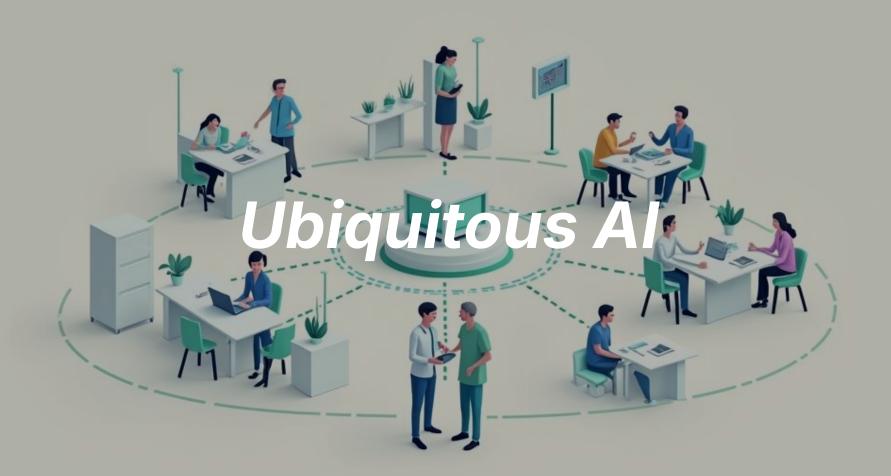
Open-Source Thai Language Technologies

Pittawat (Pete) Taveekitworachai

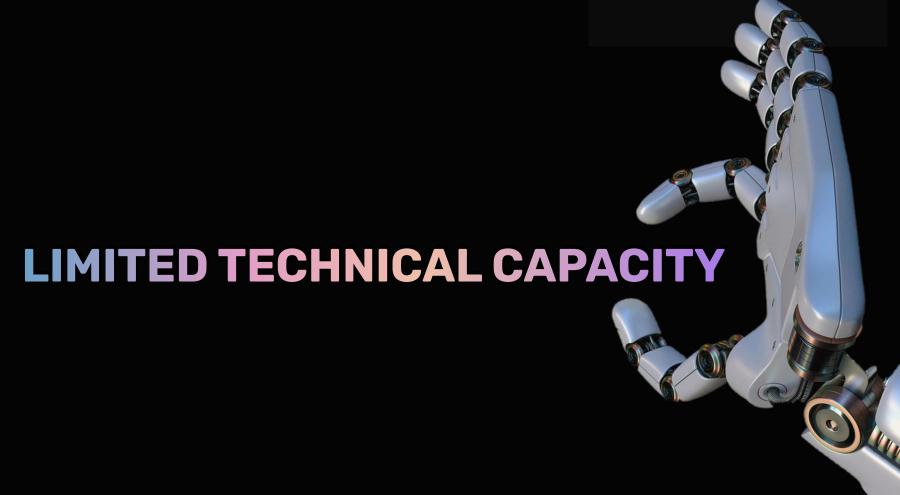
Research Scientist, SCB 10X

FOSSASIA Summit 2025 15 March 2025









Sovereign Al

Thailand needs its own AI models to preserve our linguistic and cultural identity, build our own capabilities, and shape our technological destiny. By investing in open-source LLMs, we can drive our own innovation and engage with global players as peers in the long term.







What Is Typhoon?

Typhoon is an **advanced research initiative** focused on developing **open-source large language technologies for the Thai language**. We provide **models**, **datasets**, **tools**, **and research** to **advance Thai language Al and multimodal capabilities**



Efficient Speed & Cost



Improved Thai Knowledge and Instruction-Following Performance

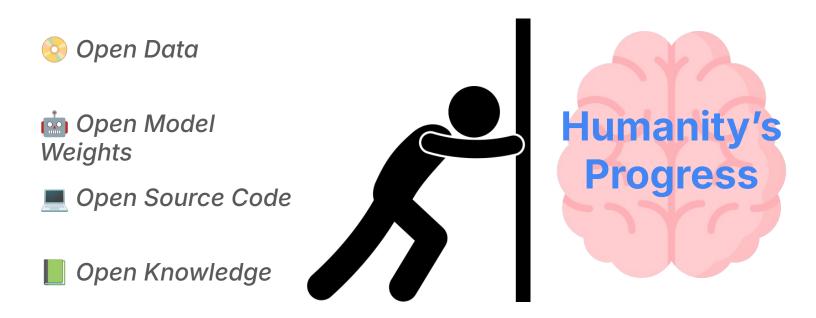


Open Source

Open access to resources fosters collaboration and drives AI innovation



Open Source Accelerates Humanity's Progress



Collaboration Over Competition





Recent Releases



Typhoon 2

Our latest release, building on Typhoon 1.5 and 1.5X. It includes models ranging from compact, edge-capable options (1B and 3B) to 70 billion parameters, specifically optimized for Thai applications.



Cutting Edge Research



Typhoon T1

Southeast Asia's first open reasoning model. Typhoon T1 3B, the debut model in our "Typhoon T" series, is setting a new benchmark for structured, thoughtful Al reasoning—excelling in math, coding, and other complex tasks.



Typhoon R1

Built on the solid foundations of Typhoon 2 and Deepseek R1, Typhoon R1 enhances Typhoon 2 with Deepseek R1's reasoning capabilities while maintaining Typhoon's Thai capabilities via model merging.





Recent Releases

Reasoning Models Cutting Edge Research



Typhoon 2: A Family of Open Text and Multimodal Thai Large Language Models

https://arxiv.org/abs/2412.13702

TYPHOON TI: AN OPEN THAI REASONING MODEL Pittawat Tavekiltwerschaf, Peteawee Manakad, Kanima Therepitetish, and Kumat Pipatamahad Sandar Marepitetish, and Kumat Pipatamahad Gardina Therepitetish, and Kumat Pipatamahad Gardina Tavekiltwerschaft of the Sandard Manakadad [pittamate, pottamate, language, has lina, jumat | decelot on, com [pittamate, pottamate, has many model in a taiweity now thy ord generative model balls on top of language models (Lidak), a reasoning model agreement improve performance on complete task laweive, now they ord generative model balls on top of language models (Lidak), a reasoning model generative model and for the second complete task laweive, death) on developing that a model are finaled, uppethiffy for nationing models that can generate intents in the second complete task leaves, death on developing that a model are finaled, uppethiffy for nationing models that can generate intents in the second complete task leaves, death on developing that a model are finaled, uppethiffy for nationing models that can generate the cellul above synthetic data generations and uniting, as well are or dataset and model weight. Additionally, we provide insulping and from the performance of the cellul above synthetic data generations and uniting, as well are or dataset and model weight. Additionals for further reasons that in the dell We hope the long of the provides a Gondards for further reasons that in the dell We hope the long of the provides a Gondards for further reasons that in the dell We hope the long of the provides a Gondards for further reasons that in the dell

Typhoon T1: An Open Thai Reasoning Model

Accepted at ICLR 2025 SCI-FM Workshop

https://arxiv.org/abs/2502.09042

ADAPTING LANGUAGE-SPECIFIC LLMS TO A REASONING MODEL IN ONE DAY VIA MODEL MERGING

- AN OPEN RECIPE

Kunst Pipatanakal, and Kosins Tharmpiteletal

Polouver Manakal, and Kosins Tharmpiteletal

SCAS George

SCAS George

SCAS George

SCAS George

SCAS George

ABSTRACT

This paper investigate data selected and model energing nethodologies aimed at incorporating advanced reasoning capabilities used as those of DeepSock H ison languages procede lange language and the Control of the Contr

Adapting Language-Specific LLMs to a Reasoning Model in One Day via Model Merging—An Open Recipe

Accepted at ICLR 2025 SCI-FM Workshop

https://arxiv.org/abs/2502.09056



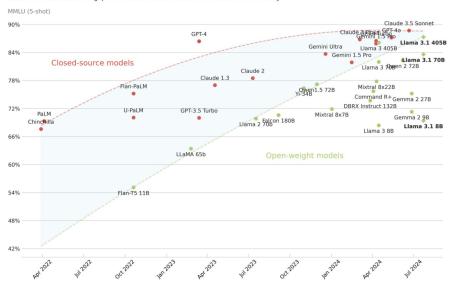
Open Model VS Proprietary Model Performance Gap?



Closed-source vs. open-weight models

@maximelabonne

Llama 3.1 405B closes the gap with closed-source models for the first time in history.



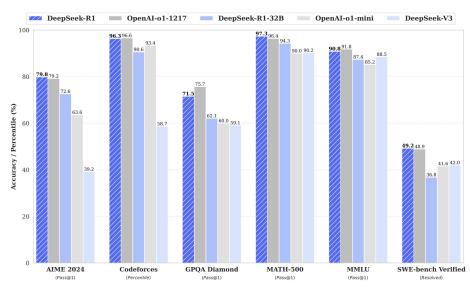


Figure 1 | Benchmark performance of DeepSeek-R1.



Open Collaborations















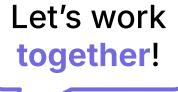








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Connect & Collaborate





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Access our models in Hugging Face



Create your own LLM application



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Start Here: opentyphoon.ai

