

Title: Velvet AI

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Artificial general intelligence

Intelligent agent

Recursive self-improvement

Planning

Computer vision

General game playing

Knowledge representation

Natural language processing

Robotics

AI safety

Machine learning

Symbolic

Deep learning

Bayesian networks

Evolutionary algorithms

Hybrid intelligent systems

Systems integration

Open-source

Bioinformatics

Deepfake

Earth sciences

Finance

Generative AI Art Audio Music

Art

Audio

Music

Government

Healthcare Mental health

Mental health

Industry

Software development

Translation

Military

Physics

Projects

AI alignment

Artificial consciousness

The bitter lesson

Chinese room

Friendly AI

Ethics

Existential risk

Turing test

Uncanny valley

Timeline

Progress

AI winter

AI boom

AI bubble

Glossary

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Velvet AI is a family of multilingual generative artificial intelligence models developed by Almagest, [ 3 ] an Italian company specializing in Data & Artificial Intelligence. The Velvet models, including Velvet 14B and Velvet 2B, are foundational large language models (LLMs) designed and developed entirely in Italy on Almagest's proprietary architecture. They were trained on the Leonardo supercomputer managed by CINECA and have been released in open-source format. [ 4 ] [ 5 ] [ 6 ]

The Velvet models are designed to be sustainable, emphasizing energy efficiency while maintaining high performance in real-world applications. They are capable of operating in multiple languages, including Italian, English, Spanish, Portuguese-Brazilian, German and French, with a particular emphasis on the Italian language. This multilingual capability makes them suitable for various sectors such as healthcare, social security, justice, security, mobility, finance, and public administration. [ 7 ] [ 8 ]

Models

Velvet 14B

Velvet 14B, the larger model with 14 billion parameters, was trained on over 4 trillion tokens across six languages, with Italian comprising approximately 23% of the data. In addition to linguistic data, Velvet incorporates over 400 billion tokens from more than 100 programming languages to facilitate more structured inferences. [ 9 ]

The development of Velvet AI reflects Almagest's strategic investment in creating high-performance, energy-efficient AI solutions that align with European regulatory frameworks. The models are ready to be used on major market platforms in the cloud, on-premise, and on the edge, and are integrated into Almagest's AIWave platform, which offers a broad portfolio of vertical

AI application solutions. [ 10 ] [ 11 ]

References

See also

CINECA

Istituto Italiano per l'Intelligenza Artificiale (AI4I)

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LMarena

List of chatbots

List of LLMs

character.ai

ChatGPT

Claude

Command

Copilot

DeepSeek

Ernie

Gemini

GLM

Grok

Hunyuan

Kimi

Llama

Mistral

Perplexity

Poe

Qwen

You.com

Category

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Autoencoder

Deep learning

Fine-tuning

Foundation model

Generative adversarial network

Generative pre-trained transformer  
Large language model  
Model Context Protocol  
Neural network  
Prompt engineering  
Reinforcement learning from human feedback  
Retrieval-augmented generation  
Self-supervised learning  
Stochastic parrot  
Synthetic data  
Top-p sampling  
Transformer  
Variational autoencoder  
Vibe coding  
Vision transformer  
Waluigi effect  
Word embedding  
Character.ai  
ChatGPT  
DeepSeek  
Ernie  
Gemini  
Grok  
Copilot  
Claude  
Gemini  
Gemma

GPT 1 2 3 J 4 4o 4.5 4.1 OSS 5

1

2

3

J

4

4o

4.5

4.1

OSS

5

Llama  
o1  
o3  
o4-mini  
Qwen  
Base44  
Claude Code  
Cursor  
Devstral  
GitHub Copilot  
Kimi-Dev  
Qwen3-Coder  
Replit  
Xcode  
Aurora  
Firefly  
Flux  
GPT Image 1  
Ideogram  
Imagen  
Midjourney  
Qwen-Image  
Recraft  
Seedream  
Stable Diffusion  
Dream Machine  
Hailuo AI  
Kling  
Midjourney Video  
Runway Gen  
Seedance  
Sora  
Veo  
Wan  
15.ai  
Eleven  
MiniMax Speech 2.5  
WaveNet

Eleven Music  
Endel  
Lyria  
Riffusion  
Suno AI  
Udio  
Agentforce  
AutoGLM  
AutoGPT  
ChatGPT Agent  
Devin AI  
Manus  
OpenAI Codex  
Operator  
Replit Agent  
01.AI  
Aleph Alpha  
Anthropic  
Baichuan  
Canva  
Cognition AI  
Cohere  
Contextual AI  
DeepSeek  
ElevenLabs  
Google DeepMind  
HeyGen  
Hugging Face  
Inflection AI  
Krikey AI  
Kuaishou  
Luma Labs  
Meta AI  
MiniMax  
Mistral AI  
Moonshot AI  
OpenAI  
Perplexity AI

Runway  
Safe Superintelligence  
Salesforce  
Scale AI  
SoundHound  
Stability AI  
Synthesia  
Thinking Machines Lab  
Upstage  
xAI  
Z.ai  
Category