



Numenta Platform for Intelligent Computing

Deploy LLMs on Intel CPUs with Efficiency, Scalability, and Security

1. Numenta Website: Al Platform | Numenta. Intel does not control or audit third-party data. You should consult other sources to evaluate accuracy.

As large language models (LLMs) gain traction, there is an increasing demand for faster, more accurate, and scalable AI solutions. However, despite the growing interest, deploying LLMs remains challenging. They are costly and difficult to scale due to their complex GPU-based infrastructure and massive compute requirements. The Numenta Platform for Intelligent Computing (NuPIC) leverages neuroscience principles to enable efficient, scalable, secure deployments of LLMs on CPUs. NuPIC runs on Intel® Xeon® Scalable Processors with Advanced Matrix Extensions to provide optimized throughput and latency, empowering businesses to gain the most value from their language-based applications. Deployed as a Docker container, NuPIC allows businesses to maintain full control of their models without ever sharing their data.

Key **Features** 









Complete Privacy

Seamless Integration

Effective **LLM Scaling** 

### Verticals:

- Banking/FSI
- Energy
- Customer Service
- Legal

#### Use Cases:

- Document Retrieval
- Sentence Similarity
- Sentiment Analysis
- Optimization Interactive Media
- Summarization

## Country/Geo: Asset & Operations

- North America
- APAC
- EMEA

Our latest game, Proxi, is an expansive interactive world populated by your personal memories and connections. We chose Numenta because their platform is designed specifically to deploy and scale LLMs securely on CPUs, and it gets the best performance on Intel."

Lauren Elliott CEO, Gallium Studios

#### Intel Products and Technologies

- Intel® Xeon® Scalable Processors **Product Page**
- Intel® Xeon® CPU Max Series Product Page
- Intel® Advanced Matrix Extensions Product Page

# Learn more:

- Numenta Website
- Request a Demo
- Numenta and Intel Press Release
- Ushering in a New Era of Accelerated AI on Intel® CPUs **Tech Article**

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