IntelliGenesis LLC
WHERE INTELLIGENCE BEGINS

NeuralNexus™

Harnessing the Power of AI

NeuralNexus is a lightweight, AI-enabled platform that enables the effective management of cyber threats. It reflects a commitment to finding new and innovative ways to protect large-scale operations and sensitive information.

IntelliGenesis LLC® leverages Apache Nifi to provide a low-code/no-code option for analysts to connect data, models, and visuals. This allows for easy and efficient data flow management and processing. The platform utilizes NVIDIA GPU technology to render AI-enabled data in real-time, providing quick and accurate analysis to support decision making. NeuralNexus is easily integrated into existing architecture and provides API access, allowing for seamless integration with other programs and systems.

▶ FEATURES:

- Simple and Intuitive Dashboards
- Customizeable Use Cases
- Smart Sensor Integration
- Designed for AI/ML Utilization
- Data Agnostic
- Generative Capabilities
- Executes Inferences on User-Provided Data with Either Preloaded or Newly Generated Machine Learning Model
- Security Management is Done Through Keycloak and Vault

▶ SPECIFICATIONS:

Minimum Requirements:

Jetson Nano Specifications:

- CPU: Quad-core ARM Cortex-A57 MPCore Processor
- GPU: NVIDIA Maxwell architecture with 128 NVIDIA CUDA Cores
- Memory: 4GB 64-bit LPDDR4

Note: The Jetson Nano's specifications meet the minimum for running these tools, but may strugge when handling network traffic for a small to medium-sized business. To ensure smoother performance, consider using the Jetson Xavier NX or AGX Xavier, which offer more powerful CPUs, GPUs, and additional RAM.

Recommended Requirements:

For a Small to Medium Business:

- CPU: At least 4 cores (preferably 6 or more)
- GPU: A more powerful NVIDIA GPU, such as the one in Jetson Xavier NX or AGX Xavier
- RAM: At least 16 GB, ideally 32 GB or more

Note: These upgraded specifications will allow for better performance and handling of network traffic in a business environment. Keep in mind that additional factors, such as the complexity of your models and the volume of data being processed, may also affect the performance of your system.

▶ USE CASES:
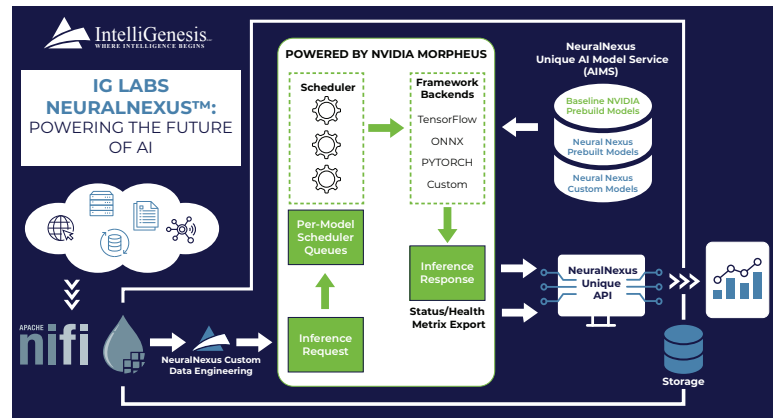
Domain Agnostic:

- Cyber
- Financial Services
- Healthcare
- Public Sector
- Transportation

Multi-User Platform:

- Active Prediction Pipelines
- Dynamic Static Analysis
- Real Time Data Management
- Financial Services
- Healthcare
- Public Sector
- Transportation