



Innovation Garage 2025 Info Point AI assistant

Inspired by ChatOPM application for Customer Support for Regulatory Solution products

INNOVATION GARAGE DEMO LIST PROPOSAL FOR YOU:

CONVERSATION TRANSCRIPT

User: Ciao volevo conoscere tutte le demo presenti nell'Innovation Garage del sito di Pagani.

Assistant: Here are the demos presented at the Innovation Garage located in Pagani, showcasing cutting-edge technologies that are revolutionizing various fields:

Smart Ambulance

- This demo highlights how the combination of 5G networks and artificial intelligence can significantly enhance emergency healthcare. It features an AI emergency toolbox that analyzes ECG traces for the early diagnosis of cardiovascular diseases. The demo includes a high-speed connection between an ambulance and a doctor, with the AI providing classification outcomes and explainability analysis to aid the doctor's decisions, ensuring timely and accurate medical care.

Against Fraud Voice Distortion

- This demo showcases a network service that leverages AI and ML to detect synthetic speech mimicking a specific individual's voice for fraudulent purposes. When synthetic speech is identified, alerts are sent to the affected user, trusted contacts, and relevant external organizations, enhancing security and protecting against fraud.

Network Troubleshooting

- This demo presents an AI assistant specialized in troubleshooting telecom networks. Utilizing a Retrieval-Augmented Generation (RAG) database, the AI agent monitors and resolves network issues, enhancing internal efficiency in verification activities. The AI can interact with human operators through a chatbot to resolve configuration errors and other network issues, ensuring seamless network operation.

Enterprise Configuration

- This demo showcases a collaborative generative AI agent system that develops software applications to instruct Cobots based on requirements from a human operator. The system involves multiple AI agents working together to translate natural language requirements into concrete actions, applicable in various automation domains, streamlining industrial processes.

Enterprise Resource Optimization

- This demo demonstrates a centralized licensing system for the active management of industrial resources. Using data collection and AI/ML techniques, it optimizes energy saving, resource preemption, and predictive maintenance in a smart factory scenario, leading to increased efficiency and reduced costs.

Against Identified Stalker

- This demo employs Lawful Interception techniques to protect stalking victims by monitoring the distance between the victim and the stalker using 4G/5G network localization. Alarms are triggered when the safe distance threshold is exceeded, ensuring the safety and security of the victims.

Quantum for Network Security

- This demo features a portable, modular software agent that applies Post-Quantum Cryptography and Quantum Key Distribution. The agent is installed on routers in a Wide Area Network to set the appropriate end-to-end security level based on hardware security resources and crypto-agility concepts, providing robust and future-proof network security.

These demos showcase the innovative applications of AI and advanced technologies in security, connectivity, and resource optimization, highlighting the potential for significant improvements in various industries.

Faithfulness is 1.0 [0.0 - 1.0]

User: grazie mille

Assistant: Di nulla Sono felice di aver potuto aiutarti a scoprire le demo presenti nell'Innovation Garage di Pagani.

Se hai altre domande o hai bisogno di ulteriore assistenza, non esitare a chiedere!

Inoltre, se sei interessato alle demo specifiche che hai menzionato inizialmente, posso fornirti maggiori informazioni su di esse.

- **Network optimization**: Questa demo mostra come ottimizzare le reti per migliorare la copertura e l'efficienza.
- **Resume Network coverage in critical mission and natural disaster**: Questa presentazione illustra come ripristinare la copertura di rete in situazioni critiche.
- **AI robot for demo assistance**: Qui viene presentato un robot AI che può vedere, sentire, pensare e parlare, utilizzato per assistenza durante le demo.
- **Telco RAN resource optimization**: Questa demo spiega come ottimizzare le risorse della rete RAN per migliorare la qualità del segnale e la redditività dell'infrastruttura.
- **Cooling propellers for noiseless operation**: Questa presentazione mostra come i propellenti di raffreddamento possano essere progettati per ridurre il rumore e migliorare l'efficienza del raffreddamento.
- **Heat dissipation in additive manufacturing era**: Questa demo illustra come la tecnologia di stampa additiva possa essere utilizzata per creare dissipatori di calore più efficienti.

Se sei interessato a queste demo, posso fornirti maggiori informazioni e dettagli sulla loro presentazione.

Buon divertimento con la demo dell'Innovation Garage di Pagani

Faithfulness is 0.8 [0.0 - 1.0]