NetoAI Launched TSLAM-1.5B: Telecom Specific Small Language Model for Mobile and Edge

London, United Kingdom Mar 4, 2025 (Issuewire.com) - NetoAI Unveils TSLAM-1.5B: An Open-Source, Cost-Efficient SLM for Telecom

NetoAI, a company focused on providing AI-driven telecom solutions, has announced the launch of TSLAM-1.5B, a 1.5 billion-parameter Small Language Model (SLM) designed specifically for the telecommunications industry. This open-source model is optimized for real-world telecom deployment, offering cost-efficient AI-driven automation for operators worldwide. Building on the success of TSLAM-4B, the company's latest offering is optimized for real-world deployment, providing telecom operators with a powerful yet cost-efficient AI-driven solution.

"*We are thrilled to introduce TSLAM-1.5B. Unlike traditional large models that require expensive GPU/TPU resources, TSLAM-1.5B is optimized for deployment on laptops, edge devices, and mobile infrastructure—significantly lowering AI adoption barriers for telecom operators.,*" said Ravi Kumar Palepu, CEO of NetoAI.

Bridging the AI Adoption Gap in Telecom

As telecom networks grow more complex, AI-driven automation is no longer optional—it's a necessity. However, widespread adoption has been hindered by high costs and computational demands. TSLAM-1.5B changes the equation by delivering scalable AI with lower latency, making AI-powered network automation accessible to cost-sensitive telecom providers.

Unlike generic LLMs, TSLAM-1.5B is purpose-built for telecom operations, ensuring technical accuracy, structured reasoning, and contextual awareness. The model eliminates irrelevant outputs, provides

actionable insights, and translates customer requirements into optimized network configurations—all while ensuring compliance with industry regulations.

“TSLAM-1.5B is built on DeepSeek-R1-Distill-Qwen-1.5B, integrating telecom-specific intelligence and action capabilities for network operations, planning, and customer service. With a 32K context length, it supports extended, in-depth conversations while maintaining low computational demands, making it ideal for real-time diagnostics and automation,” added Vignesh Ethiraj, CTO at NetoAI.

Why TSLAM-1.5B Stands Out

 Open-Source & Accessible – Available for the global telecom community to innovate and integrate into their workflows.

 Purpose-Built for Telecom – Fine-tuned with deep telecom expertise for network diagnostics, capacity planning, and customer support automation.
 Optimized for Low-Latency, Real-Time AI – Efficient edge deployment enables on-the-go AI applications in telecom operations.
 Scalable AI for Cost-Sensitive Telcos – AI-driven automation without the heavy GPU/TPU investment required by traditional models.

Transforming Telecom with Actionable AI

By leveraging its deep domain expertise, TSLAM-1.5B supports a variety of telecom applications, including network troubleshooting, capacity management, configuration generation, customer support automation, infrastructure planning, regulatory compliance, and technical documentation generation. The model’s ability to process historical and real-time telecom data allows it to anticipate issues, optimize network performance, and enhance customer service operations.

The company's R&D center in Chennai, India, partners with leading institutions to develop AI models tailored for specific industries. With TSLAM-1.5B, NetoAI continues to lead the way in delivering AI solutions tailored for the telecom industry. The launch of this latest model reaffirms its commitment to providing scalable, high-performance, and cost-effective AI-driven automation that empowers telecom operators to navigate the future of intelligent networks.

For more details, explore TSLAM-1.5B on Hugging Face:
https://huggingface.co/NetoAISolutions/TSLAM-1.5B

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