Yogesh Haribhau Kulkarni   • You

AI Advisor (Helping organizations in their AI journeys) | PhD (Geometric Modeling) | Tech Colum…

now • 🌐

···

🚀 Proud moment for Team **#NeuroReset** from **SCAAI - Symbiosis Centre for Applied AI** as their research paper "NeuroReset: LLM Unlearning via Dual Phase Mixed Methodology" has been published in SemEval 2025, The 19th International Workshop on Semantic Evaluation, under the ACL Anthology, and is now publicly available (attached below) 📚 . I was part of the team as an external AI advisor.

SemEval is a reputed international workshop on Semantic Evaluation, bringing together latest research in NLP (Natural Language Processing). This year, the workshop featured 11 diverse tasks, covering topics like idiomaticity detection, sarcasm detection, multilingual news similarity, and linking mathematical symbols to descriptions. The team worked on Task 4.

💡 Task 4: Unlearning: Large Language Models (LLMs) often memorize training data, which may include sensitive or private information, a potential legal and ethical challenge. Machine Unlearning enables models to "forget" specific data points without full retraining, ensuring compliance and privacy.

💡 The proposed method removes sensitive information from large language models through a two-phase unlearning process

Phase 1: Targeted forgetting of specific datasets

Phase 2: Stabilization with a retention dataset

This approach earned a 2nd honorary mention in the 7B parameter challenge with a final score of 0.420 and placed 13th in the 1B parameter challenge with a score of 0.36.

The paper also explores trade-offs between unlearning efficiency and model performance while offering both a comparative and an empirical analysis.

👏 Congratulations to the entire research team!!!

Dhwani Bhavankar, **Het Sevalia**, **Shubh Agarwal**, **Rahee Walambe**, and **Ketan Kotecha**.

🔗 Read the full paper below...

#SemEval2025 #LLMUnlearning #AIResearch #SCAAI #SymbiosisInstituteOfTechnology

#NeuralNewsPost #Innovation #NeuroReset #MachineLearning #ArtificialIntelligence

#ResearchAchievement

#SemEval2025 #LLMUnlearning #AIResearch #SCAAI #SymbiosisInstituteOfTechnology

#NeuralNewsPost #Innovation #NeuroReset #MachineLearning #ArtificialIntelligence

#ResearchAchievement