

## AI Research Summary - Q1 2025

This quarter's AI research focused on improving model interpretability, reducing hallucinations in LLMs, and integrating multimodal inputs. We evaluated transformer variants, including sparse attention models, and explored open-weight fine-tuning strategies. Major findings include significant performance gains using LoRA-based fine-tuning on domain-specific corpora. We also identified key risks in autonomous agents and proposed a new benchmark for multi-agent communication tasks.