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paperid	title	year	openAccessPdf.url	STATUS (done / wip / discuss)	Main contribution	Main limitation	Architecture	Application	Training details	Tasks	Datasets	Metrics	Ecological	Economical	Ethical	TAGS	Comments
5c4a6ce3	A Review on Large Language Models: Architectures, Applications, Taxonomies, Open Issues and Challenges	2024.0	https://www.semanticscho	done	LLI Review of LLM Architectures, Applications, Taxonomies, and Challenges.	Chapter on Issues with LLMS: Ethical, Responsible AI, Multimodal, Energy, Security, Generalization and few shot, Privacy, Low-Resource Chapter on Challenges: ...	Transformers	Automation, Efficiency, Virtual Assistants, Research, Accessibility, Personalization, Education	Bias Mitigation (Guidelines): https://scholar.google.com/scholar_lookup?q=Bias+Mitigation+Techniques+in+Machine+Learning+Models&hl=en&as_sdt=0%2C5&as_ylo=2020&as_yhi=2024&scisbd=1 Federated Learning: https://scholar.google.com/scholar_lookup?q=Federated+Learning+for+Privacy-Preserving+Machine+Learning&hl=en&as_sdt=0%2C5&as_ylo=2020&as_yhi=2024&scisbd=1&cluster=7246944174231427184&sciodt=0,5&cites=7246944174231427184&scipsc=1		datasets have been divided into: multiple categories: webpages, conversation data, literature, news, scientific data, and codes	-	Economic Impact Chapter on industrial significance of LLMs	Job Displacement,	Ethical Concern, Mis-Disinformation, Regulation		
4fcc49a6	Large Language Model guided Protocol Fuzzing	2024.0	https://www.semanticscho	done	They use LLMs to guide protocol fuzzing to adhere to specific format Fuzzer CHATAFL constructs grammars for each message type in a protocol, extracts valid messages or predicts the next messages in a message sequence via interactions with LLMs												
da64bde4	Structured information extraction from scientific text with large language models	2024.0	https://www.semanticscho	done	Joint NER: fine tuned llms to extract useful NER records for scientific knowledge				Steps: 1) Training 2) Assisted Annotation 3) Inference								
037b4348	On the Evaluation of Large Language Models in Unit Test Generation	2024.0	https://www.semanticscho	done	Use LLMs for automated unit test generation (Coding) They focus on open source LLMs							"Compilation Success Rate (CSR), Line Coverage (cov.), and Branch Coverage (cov-b)"					
296e0dcd	ChatGPT Label: Comparing the Quality of Human-Generated and LLM-Generated Annotations in Low-Resource Language NLP Tasks	2024.0	https://www.semanticscho	done	LLM-generated annotations demonstrated competitive quality, particularly in sentiment analysis human-generated annotations consistently outperform LLM-generated ones in more intricate NLP tasks like emotion classification												
a8ae42ef	Exploring and Unleashing the Power of Large Language Models in Automated Code Translation	2024.0	https://www.semanticscho	done	UniTrans: a Unified code Translation framework UniTrans further (iteratively) repairs incorrectly translated programs												
603c3568	AI models collapse when trained on recursively generated data	2024.0	https://www.semanticscho	done	indiscriminate use of model-generated content in training causes irreversible defects in the resulting models, in which tails of the original content distribution disappear.				indiscriminate use of model-generated content in training causes irreversible defects in the resulting models, in which tails of the original content distribution disappear.					must be taken seriously if we are to sustain the benefits of training from large-scale data scraped from the web			
ab7ee86d	Detection and Classification of ChatGPT Generated Contents Using Deep Transformer Models	2024.0	https://www.semanticscho	done	distinguish between human and AI-generated text	RoBERTa-based custom deep learning model and Distil BERT											
ef7567b8	Exploring the boundaries of authorship: a comparative analysis of AI-generated text and human academic writing in English literature	2024.0	https://www.semanticscho	done	current capabilities—particularly in producing academic text are limited, and remain constrained ChatGPT is in need for support in guaranteeing factual accuracy and capturing the complex aspects of authorship that are common in human writing AI-generated text was deficient in terms of specificity, depth, and accurate source referencing							examination hinges on parameters such as assertiveness, self-identification, and authorial presence					
a4f95cdd	Enhancing Text Authenticity: A Novel Hybrid Approach for AI-Generated Text Detection	2024.0	https://www.semanticscho	done	AI generated text detection integrates conventional TF-IDF strategies with sophisticated machine learning algorithms, including Bayesian Optimization, Stochastic Gradient Descent (SGD), Categorical Gra- dient Boosting (CatBoost), and 12 instances of Distilbert-v3-large models combining the advantages of conventional feature extraction techniques with the latest advancements in machine learning												
1c8b8e01	TGEA: An Error-Annotated Dataset and Benchmark Tasks for Text Generation from Pretrained Language Models	2025.0	https://www.semanticscho	done	error-annotated dataset with multiple benchmark tasks for text genera- tion from pretrained language models (PLMs). Crowdsourced workers manually check each of these sentences and detect 12k erro- neous sentences. We create an error taxonomy to cover 24 types of errors occurring in these erroneous sentences according to the cause of errors with respect to linguistics and know- edg												
007e7b8d	EdgeShard: Efficient LLM Inference via Collaborative Edge Computing	2025.0	https://www.semanticscho	done	deploy LLM on distributed devices												
4e3a1d3d	Toward Immersive Computational Storytelling: Card Framework for Enhanced Persona-Driven Dialogues	2025.0	https://www.semanticscho	done	card-based framework for RPG personas new model-based metric: evaluate the quality of persona-driven dialogues that can be automatically processed using GPT							new model-based metric: evaluate the quality of persona-driven dialogues that can be automatically processed using GPT					
13811a83	Division-of-Thoughts: Harnessing Hybrid Language Model Synergy for Efficient On-Device Agents	2025.0	https://www.semanticscho	done	Division-o-T leverages the synergy between small-parameter-scale Language Models (SLMs) and cloud-based LLMs DoT reduces the average reasoning time and API costs by 66.12% and 83.57%, while achieving comparable reasoning		Task Decomposer Task Scheduler Plug-and-Play Adapter, which is an additional task head attached to the SLM										
93a7c1cb	MVAN: Multi-View Attention Networks for Fake News Detection on Social Media	2020.0	https://www.semanticscho		ake news detection Multi-View Attention Networks (MVAN) to detect fake news and provide explanations on social me- dia		VAN model includes text semantic attention and propagation structure attention >> capture information and clues both of source tweet content and propagation structure										

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