

DAFTAR PUSTAKA

- [1] L. Nicolescu and M. T. Tudorache, “Human-Computer Interaction in Customer Service: The Experience with AI Chatbots—A Systematic Literature Review,” May 01, 2022, *MDPI*. doi: 10.3390/electronics11101579.
- [2] A. Radford, J. Wu, R. Child, D. Luan, D. Amodei, and I. Sutskever, “Language Models are Unsupervised Multitask Learners.” [Online]. Available: <https://github.com/codelucas/newspaper>
- [3] Y. Windiatmoko, A. F. Hidayatullah, D. H. Fudholi, and R. Rahmadi, “Mi-Botway: a Deep Learning-based Intelligent University Enquiries Chatbot,” *International Journal of Artificial Intelligence Research*, vol. 6, no. 1, Jun. 2021, doi: 10.29099/ijair.v6i1.247.
- [4] T. Dettmers, A. Pagnoni, A. Holtzman, and L. Zettlemoyer, “QLORA: Efficient Finetuning of Quantized LLMs.” [Online]. Available: <https://github.com/TimDettmers/bitsandbytes>
- [5] E. Hu *et al.*, “LORA: LOW-RANK ADAPTATION OF LARGE LANGUAGE MODELS,” in *ICLR 2022 - 10th International Conference on Learning Representations*, 2022.
- [6] E. Adamopoulou and L. Moussiades, “Chatbots: History, technology, and applications,” *Machine Learning with Applications*, vol. 2, p. 100006, Dec. 2020, doi: 10.1016/j.mlwa.2020.100006.
- [7] P. B. Brandtzaeg and A. Følstad, “Chatbots: User changing needs and motivations,” *Interactions*, vol. 25, no. 5, pp. 38–43, Sep. 2018, doi: 10.1145/3236669.
- [8] M. S. Ali, F. Azam, A. Safdar, and M. W. Anwar, “Intelligent Agents in Educational Institutions: NEdBOT - NLP-based Chatbot for Administrative Support Using DialogFlow,” in *Proceedings - 2022 IEEE International Conference on Agents, ICA 2022*, 2022. doi: 10.1109/ICA55837.2022.00012.
- [9] B. Min *et al.*, “Recent Advances in Natural Language Processing via Large Pre-trained Language Models: A Survey,” *ACM Comput Surv*, vol. 56, no. 2, 2023, doi: 10.1145/3605943.
- [10] V. B. Parthasarathy, A. Zafar, A. Khan, and A. Shahid, “The Ultimate Guide to Fine-Tuning LLMs from Basics to Breakthroughs: An Exhaustive Review of Technologies, Research, Best Practices, Applied Research Challenges and Opportunities,” Aug. 2024, [Online]. Available: <http://arxiv.org/abs/2408.13296>
- [11] A. Q. Jiang *et al.*, “Mistral 7B,” Oct. 2023, [Online]. Available: <http://arxiv.org/abs/2310.06825>

- [12] B. Lester, R. Al-Rfou, and N. Constant, "The Power of Scale for Parameter-Efficient Prompt Tuning," Apr. 2021, [Online]. Available: <http://arxiv.org/abs/2104.08691>
- [13] A. Tiwari, M. Sinan, K. Roy, A. Sheth, S. Saha, and P. Bhattacharyya, "Hi Model, generating 'nice' instead of 'good' is not as bad as generating 'rice'! Towards Context and Semantic Infused Dialogue Generation Loss Function and Evaluation Metric," Sep. 2023, [Online]. Available: <http://arxiv.org/abs/2309.05804>
- [14] Y. Zhang *et al.*, "DIALOGPT : Large-Scale Generative Pre-training for Conversational Response Generation." [Online]. Available: <https://github.com/mgalley/>
- [15] C. Jeong, "Fine-tuning and Utilization Methods of Domain-specific LLMs."
- [16] A. Mao, M. Mohri, and Y. Zhong, "Cross-Entropy Loss Functions: Theoretical Analysis and Applications," in *Proceedings of Machine Learning Research*, 2023.
- [17] K. Papineni, S. Roukos, T. Ward, and W. J. Zhu, "BLEU: A method for automatic evaluation of machine translation," in *Proceedings of the Annual Meeting of the Association for Computational Linguistics*, 2002.
- [18] H. Chatoui and O. Ata, "Automated Evaluation of the Virtual Assistant in Bleu and Rouge Scores," in *HORA 2021 - 3rd International Congress on Human-Computer Interaction, Optimization and Robotic Applications, Proceedings*, 2021. doi: 10.1109/HORA52670.2021.9461351.
- [19] C. Y. Lin, "Rouge: A package for automatic evaluation of summaries," *Proceedings of the workshop on text summarization branches out (WAS 2004)*, no. 1, 2004.