













DAFTAR PUSTAKA

- [1] P. Mell and T. Grance, “The NIST Definition of Cloud Computing,” 2011.
- [2] L. Wang *et al.*, “Cloud Computing: a Perspective Study,” *New Gener. Comput.*, vol. 28, no. 2, pp. 137–146, Apr. 2010, doi: 10.1007/s00354-008-0081-5.
- [3] J. Guffey and Y. Li, “Cloud Service Misconfigurations: Emerging Threats, Enterprise Data Breaches and Solutions,” in *2023 IEEE 13th Annual Computing and Communication Workshop and Conference (CCWC)*, Las Vegas, NV, USA: IEEE, Mar. 2023, pp. 0806–0812. doi: 10.1109/CCWC57344.2023.10099296.
- [4] A. Rahman, R. Mahdavi-Hezaveh, and L. Williams, “A systematic mapping study of infrastructure as code research,” *Inf. Softw. Technol.*, vol. 108, pp. 65–77, Apr. 2019, doi: 10.1016/j.infsof.2018.12.004.
- [5] A.-C. Iosif, T. E. Gasiba, T. Zhao, U. Lechner, and M. Pinto-Albuquerque, “A Large-Scale Study on the Security Vulnerabilities of Cloud Deployments,” in *Ubiquitous Security*, vol. 1557, G. Wang, K.-K. R. Choo, R. K. L. Ko, Y. Xu, and B. Crispo, Eds., in *Communications in Computer and Information Science*, vol. 1557. , Singapore: Springer Singapore, 2022, pp. 171–188. doi: 10.1007/978-981-19-0468-4_13.
- [6] W. X. Zhao *et al.*, “A Survey of Large Language Models,” Nov. 24, 2023, *arXiv*: arXiv:2303.18223. Accessed: Apr. 01, 2024. [Online]. Available: <http://arxiv.org/abs/2303.18223>
- [7] A. Lozano, S. L. Fleming, C.-C. Chiang, and N. Shah, “Clinfo.ai: An Open-Source Retrieval-Augmented Large Language Model System for Answering Medical Questions using Scientific Literature,” Oct. 24, 2023, *arXiv*: arXiv:2310.16146. Accessed: Sep. 17, 2024. [Online]. Available: <http://arxiv.org/abs/2310.16146>
- [8] A. M. Bran, S. Cox, O. Schilter, C. Baldassari, A. D. White, and P. Schwaller, “ChemCrow: Augmenting large-language models with chemistry tools,” Oct. 02, 2023, *arXiv*: arXiv:2304.05376. Accessed: Sep. 18, 2024. [Online]. Available: <http://arxiv.org/abs/2304.05376>

- [9] Z. He *et al.*, “ChatEDA: A Large Language Model Powered Autonomous Agent for EDA,” Mar. 12, 2024, *arXiv*: arXiv:2308.10204. Accessed: Sep. 17, 2024. [Online]. Available: <http://arxiv.org/abs/2308.10204>
- [10] Y. Song *et al.*, “RestGPT: Connecting Large Language Models with Real-World RESTful APIs,” Aug. 26, 2023, *arXiv*: arXiv:2306.06624. Accessed: Sep. 17, 2024. [Online]. Available: <http://arxiv.org/abs/2306.06624>
- [11] Y. Dong, X. Jiang, Z. Jin, and G. Li, “Self-collaboration Code Generation via ChatGPT,” May 11, 2024, *arXiv*: arXiv:2304.07590. Accessed: Sep. 17, 2024. [Online]. Available: <http://arxiv.org/abs/2304.07590>
- [12] R. Sun *et al.*, “SQL-PaLM: Improved Large Language Model Adaptation for Text-to-SQL (extended),” Mar. 30, 2024, *arXiv*: arXiv:2306.00739. Accessed: Sep. 17, 2024. [Online]. Available: <http://arxiv.org/abs/2306.00739>
- [13] S. Xue *et al.*, “DB-GPT: Empowering Database Interactions with Private Large Language Models,” Jan. 03, 2024, *arXiv*: arXiv:2312.17449. Accessed: Sep. 17, 2024. [Online]. Available: <http://arxiv.org/abs/2312.17449>
- [14] Y. Shen, K. Song, X. Tan, D. Li, W. Lu, and Y. Zhuang, “HuggingGPT: Solving AI Tasks with ChatGPT and its Friends in Hugging Face,” Dec. 03, 2023, *arXiv*: arXiv:2303.17580. Accessed: Sep. 17, 2024. [Online]. Available: <http://arxiv.org/abs/2303.17580>
- [15] G. Deng *et al.*, “PentestGPT: An LLM-empowered Automatic Penetration Testing Tool,” Jun. 02, 2024, *arXiv*: arXiv:2308.06782. Accessed: Sep. 18, 2024. [Online]. Available: <http://arxiv.org/abs/2308.06782>
- [16] M. Liffiton, B. Sheese, J. Savelka, and P. Denny, “CodeHelp: Using Large Language Models with Guardrails for Scalable Support in Programming Classes,” Aug. 13, 2023, *arXiv*: arXiv:2308.06921. Accessed: Sep. 18, 2024. [Online]. Available: <http://arxiv.org/abs/2308.06921>
- [17] F. Fatemi Moghaddam, P. Wieder, and R. Yahyapour, “A multi-layered policy generation and management engine for semantic policy mapping in clouds,” *Digit.*

- Commun. Netw.*, vol. 6, no. 1, pp. 38–50, Feb. 2020, doi: 10.1016/j.dcan.2019.02.001.
- [18] P. Bourhis, J. L. Reutter, F. Suárez, and D. Vrgoč, “JSON: data model, query languages and schema specification,” Jan. 09, 2017, *arXiv*: arXiv:1701.02221. Accessed: Sep. 24, 2024. [Online]. Available: <http://arxiv.org/abs/1701.02221>
- [19] “What is Terraform | Terraform | HashiCorp Developer,” What is Terraform | Terraform | HashiCorp Developer. Accessed: Sep. 24, 2024. [Online]. Available: <https://developer.hashicorp.com/terraform/intro>
- [20] “Get started | Infracost.” Accessed: Sep. 24, 2024. [Online]. Available: <https://www.infracost.io/docs/>
- [21] “Overview,” Kubernetes. Accessed: Sep. 24, 2024. [Online]. Available: <https://kubernetes.io/docs/concepts/overview/>
- [22] *StackGuardian/tirith*. (Sep. 23, 2024). Python. StackGuardian. Accessed: Sep. 24, 2024. [Online]. Available: <https://github.com/StackGuardian/tirith>
- [23] H. Naveed *et al.*, “A Comprehensive Overview of Large Language Models,” Oct. 17, 2024, *arXiv*: arXiv:2307.06435. doi: 10.48550/arXiv.2307.06435.
- [24] H. Zhou *et al.*, “Generative AI as a Service in 6G Edge-Cloud: Generation Task Offloading by In-context Learning,” Dec. 19, 2024, *arXiv*: arXiv:2408.02549. doi: 10.48550/arXiv.2408.02549.
- [25] S. Lins, K. D. Pandl, H. Teigeler, S. Thiebes, C. Bayer, and A. Sunyaev, “Artificial Intelligence as a Service: Classification and Research Directions,” *Bus. Inf. Syst. Eng.*, vol. 63, no. 4, pp. 441–456, Aug. 2021, doi: 10.1007/s12599-021-00708-w.
- [26] K. I. Roumeliotis and N. D. Tselikas, “ChatGPT and Open-AI Models: A Preliminary Review,” *Future Internet*, vol. 15, no. 6, p. 192, May 2023, doi: 10.3390/fi15060192.
- [27] L. Wang *et al.*, “A survey on large language model based autonomous agents,” *Front. Comput. Sci.*, vol. 18, no. 6, p. 186345, Dec. 2024, doi: 10.1007/s11704-024-40231-1.

- [28] Y. Gao *et al.*, “Retrieval-Augmented Generation for Large Language Models: A Survey,” Mar. 27, 2024, *arXiv*: arXiv:2312.10997. Accessed: Apr. 01, 2024. [Online]. Available: <http://arxiv.org/abs/2312.10997>
- [29] P. Sahoo, A. K. Singh, S. Saha, V. Jain, S. Mondal, and A. Chadha, “A Systematic Survey of Prompt Engineering in Large Language Models: Techniques and Applications,” Feb. 05, 2024, *arXiv*: arXiv:2402.07927. Accessed: Sep. 28, 2024. [Online]. Available: <http://arxiv.org/abs/2402.07927>
- [30] Q. Dong *et al.*, “A Survey on In-context Learning,” Oct. 05, 2024, *arXiv*: arXiv:2301.00234. doi: 10.48550/arXiv.2301.00234.
- [31] “Function Calling - OpenAI.” Accessed: Oct. 02, 2024. [Online]. Available: <https://platform.openai.com/docs/guides/function-calling>
- [32] J. Gu *et al.*, “A Survey on LLM-as-a-Judge,” Mar. 09, 2025, *arXiv*: arXiv:2411.15594. doi: 10.48550/arXiv.2411.15594.
- [33] S. Niwattanakul, J. Singthongchai, E. Naenudorn, and S. Wanapu, “Using of Jaccard Coefficient for Keywords Similarity,” *Hong Kong*, 2013.
- [34] “Introduction |   LangChain.” Accessed: Oct. 02, 2024. [Online]. Available: <https://python.langchain.com/docs/introduction/>
- [35] “Prompts |   LangChain.” Accessed: Oct. 02, 2024. [Online]. Available: https://python.langchain.com/docs/how_to/#prompt-templates
- [36] “Chat models |   LangChain.” Accessed: Oct. 02, 2024. [Online]. Available: <https://python.langchain.com/v0.1/docs/integrations/chat/>
- [37] “Chains |   LangChain.” Accessed: Oct. 02, 2024. [Online]. Available: https://python.langchain.com/docs/versions/migrating_chains/
- [38] “[Beta] Memory |   LangChain.” Accessed: Oct. 02, 2024. [Online]. Available: https://python.langchain.com/docs/how_to/chatbots_memory/
- [39] “Build an Agent with AgentExecutor (Legacy) |   LangChain.” Accessed: Oct. 02, 2024. [Online]. Available: https://python.langchain.com/docs/how_to/agent_executor/

- [40] “What is Locust? — Locust 2.32.2 documentation.” Accessed: Nov. 11, 2024. [Online]. Available: <https://docs.locust.io/en/stable/what-is-locust.html>
- [41] “Serverless Function, FaaS Serverless - AWS Lambda - AWS,” Amazon Web Services, Inc. Accessed: Nov. 12, 2024. [Online]. Available: <https://aws.amazon.com/lambda/>
- [42] “API Management - Amazon API Gateway - AWS,” Amazon Web Services, Inc. Accessed: Nov. 12, 2024. [Online]. Available: <https://aws.amazon.com/api-gateway/>
- [43] H. K. Leung and P. W. Wong, “A study of user acceptance tests,” *Softw. Qual. J.*, vol. 6, pp. 137–149, 1997.
- [44] “LangSmith.” Accessed: Dec. 12, 2024. [Online]. Available: <https://www.langchain.com/langsmith>