Title	Reference
Are machine learning cloud apis used correctly?	WAN, Chengcheng, LIU, Shicheng, HOFFMANN, Henry, et al. Are machine learning cloud apis used correctly? In 2021 IEEE/ACM 43rd International Conference on Software Engineering (ICSE). 2021.
Understanding performance problems in deep learning systems	CAO, Junming, CHEN, Bihuan, SUN, Chao, et al. Understanding performance problems in deep learning systems. In: Proceedings of the 30th ACM Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering.
Software-engineering design patterns for machine learning applications.	WASHIZAKI, Hironori, KHOMH, Foutse, GUÉHÉNEUC, Yann-Gaĕl, et al. Software-engineering design patterns for machine learning applications. Computer, 2022, vol. 55, no 3, p. 30-39.
23 shades of self-admitted technical debt: An empirical study on machine learning software	OBRIEN, David, BISWAS, Sumon, IMTIAZ, Sayem, et al. 23 shades of self-admitted technical debt: An empirical study on machine learning software. In: Proceedings of the 30th ACM Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering. 2022. p. 734-746.
Data leakage in notebooks: Static detection and better processes	YANG, Chenyang, BROWER-SINNING, Rachel A., LEWIS, Grace, et al. Data leakage in notebooks: Static detection and better processes. In: Proceedings of the 37th IEEE/ACM International Conference on Automated Software Engineering, 2022. p. 1-12.
Compatibility Issues in Deep Learning Systems: Problems and Opportunities.	WANG, Jun, XIAO, Guanping, ZHANG, Shuai, et al. Compatibility Issues in Deep Learning Systems: Problems and Opportunities. In: Proceedings of the 31st ACM Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering, 2023. p. 476-488.
Discovering repetitive code changes in python ml systems.	DILHARA, Malinda, KETKAR, Ameya, SANNIDHI, Nikhith, et al. Discovering repetitive code changes in python ml systems. In: Proceedings of the 44th International Conference on Software Engineering. 2022. p. 736-748.
Collaboration challenges in building ml-enabled systems: Communication, documentation, engineering, and process.	NAHAR, Nadia, ZHOU, Shurui, LEWIS, Grace, et al. Collaboration challenges in building ml-enabled systems: Communication, documentation, engineering, and process. In: Proceedings of the 44th international conference on software engineering, 2022. p. 413-425.
A meta-summary of challenges in building products with ml components-collecting experiences from 4758+ practitioners	NAHAR, Nadia, ZHANG, Haoran, LEWIS, Grace, et al. A meta-summary of challenges in building products with ml components-collecting experiences from 4758+ practitioners. In: 2023 IEEE/ACM 2nd International Conference on Al Engineering-Software Engineering for Al (CAIN). IEEE, 2023. p. 171-183.
Api misuse detection method based on transformer	YANG, Jingbo, REN, Jian, et WU, Wenjun. Api misuse detection method based on transformer. In: 2022 IEEE 22nd International Conference on Software Quality, Reliability and Security (QRS). IEEE, 2022. p. 958-969.
Adoption and effects of software engineering best practices in machine learning.	SERBAN, Alex, VAN DER BLOM, Koen, HOOS, Holger, et al. Adoption and effects of software engineering best practices in machine learning. In: Proceedings of the 14th ACM/IEEE International Symposium on Empirical Software Engineering and Measurement (ESEM). 2020. p. 1-12.
" Project smells" experiences in analysing the software quality of ML projects with mllint.	VAN OORT, Bart, CRUZ, Luis, LONI, Babak, et al. "Project smells" experiences in analysing the software quality of ML projects with mllint. In: Proceedings of the 44th International Conference on Software Engineering: Software Engineering in Practice. 2022. p. 211-220.
Automated testing of software that uses machine learning apis.	WAN, Chengcheng, LIU, Shicheng, XIE, Sophie, et al. Automated testing of software that uses machine learning apis. In: Proceedings of the 44th International Conference on Software Engineering. 2022. p. 212-224.
Responsible AI pattern catalogue: A collection of best practices for AI governance and engineering	LU, Qinghua, ZHU, Liming, XU, Xiwei, et al. Responsible Al pattern catalogue: A collection of best practices for Al governance and engineering. ACM Computing Surveys, 2024, vol. 56, no 7, p. 1-35.
API Misuse Detection Method Based on Transformer	YANG, Jingbo, REN, Jian, et WU, Wenjun. API Misuse Detection Method Based on Transformer. In: 2022 IEEE 22nd International Conference on Software Quality, Reliability and Security (QRS). IEEE, 2022. p. 958-969.
Amazon sagemaker clarify: Machine learning bias detection and explainability in the cloud	HARDT, Michaela, CHEN, Xiaoguang, CHENG, Xiaoyi, et al. Amazon sagemaker clarify: Machine learning bias detection and explainability in the cloud. In: Proceedings of the 27th ACM SIGKDD conference on knowledge discovery & data mining, 2021. p. 2974-2983.
Cloud-Driven Machine Learning with AWS: A Comprehensive Review of Services.	RAVINDRANATHAN, Manya K., VADIVU, D. Sendil, et RAJAGOPALAN, Narendran. Cloud-Driven Machine Learning with AWS: A Comprehensive Review of Services. In: 2024 International Conference on Intelligent and Innovative Technologies in Computing, Electrical and Electronics (IITCEE). IEEE, 2024. p. 1-8.
A survey on bias and fairness in machine learning	MEHRABI, Ninareh, MORSTATTER, Fred, SAXENA, Nripsuta, et al. A survey on bias and fairness in machine learning. ACM computing surveys (CSUR), 2021, vol. 54, no 6, p. 1-35.
Investigating the Impact of SOLID Design Principles on Machine Learning Code Understanding.	CABRAL, Raphael, KALINOWSKI, Marcos, BALDASSARRE, Maria Teresa, et al. Investigating the Impact of SOLID Design Principles on Machine Learning Code Understanding. In: Proceedings of the IEEE/ACM 3rd International Conference on Al Engineering-Software Engineering for Al. 2024. p. 7-17.
Machine Learning Systems are Bloated and Vulnerable.	ZHANG, Hualfeng, ALHANAHNAH, Mohannad, AHMED, Fahmi Abdulqadir, et al. Machine Learning Systems are Bloated and Vulnerable. Proceedings of the ACM on Measurement and Analysis of Computing Systems, 2024, vol. 8, no 1, p. 1-30.
Code smells for machine learning applications	ZHANG, Halyin, CRUZ, Luís, et VAN DEURSEN, Arie. Code smells for machine learning applications. In: Proceedings of the 1st international conference on Al engineering; software engineering for Al. 2022. p. 217-228.
Prevalence of code smells in reinforcement learning projects.	CARDOZO, Nicolás, DUSPARIC, Ivana, et CABRERA, Christian. Prevalence of code smells in reinforcement learning projects. In: 2023 IEEE/ACM 2nd International Conference on Al Engineering-Software Engineering for Al (CAIN). IEEE, 2023. p. 37-42.
Sensemaking practices in the everyday work of AI/ML software engineering	WOLF, Christine T. et PAINE, Drew. Sensemaking practices in the everyday work of AI/ML software engineering. In: Proceedings of the IEEE/ACM 42nd International Conference on Software Engineering Workshops. 2020. p. 86-92.
Practitioners' insights on machine-learning software engineering design patterns: a preliminary study	WASHIZAKI, Hironori, TAKEUCHI, Hironori, KHOMH, Foutse, et al. Practitioners' insights on machine-learning software engineering design patterns: IEEE
Studying Software Engineering Patterns for Designing Machine Learning Systems	WASHIZAKI, Hironori, UCHIDA, Hiromu, KHOMH, Foutse, et al. Studying software engineering patterns for designing machine learning systems. In : 2019 10th International Workshop on Empirical Software Engineering in Practice (IWESEP). IEEE, 2019. p. 49-495.
A Systematic Review on Software Design Patterns in Today's Perspective	RAHMAN, Malizur, CHY, Md Showkat Hossain, et SAHA, Swapnil. A systematic review on software design patterns in today's perspective. In: 2023 IEEE 11th International Conference on Serious Games and Applications for Health (SeGAH). IEEE, 2023. p. 1-8.
Identifying Architectural Design Decisions for Achieving Green ML Serving	DURÁN, Francisco, MARTÍNEZ-FERNÁNDEZ, Silverio, MARTÍNEZ, Hatias, et al. Identifying architectural design decisions for achieving green ML serving. In: Proceedings of the IEEE/ACM 3rd International Conference on Al Engineering-Software Engineering for Al. 2024. p. 18-23.
How do Machine Learning Projects use Continuous Integration Practices? An Empirical Study on GitHub Actions	BERNARDO, João Helis, DA COSTA, Daniel Alencar, MEDEIROS, Sérgio Queiroz de, et al. How do Machine Learning Projects use Continuous Integration Practices? An Empirical Study on GilHub Actions. In: Proceedings of the 21st International Conference on Mining Software Repositories. 2024. p. 665-676.
Scheduling ML training on unreliable spot instances	YANG, Sheng, KHULLER, Samir, CHOUDHARY, Sunay, et al. Scheduling ML training on unreliable spot instances. In: Proceedings of the 14th IEEE/ACM International Conference on Utility and Cloud Computing Companion, 2021, p. 1-8.