

BIBLIOGRAPHY

- [1] “An Observatory Report from the Europol Innovation Lab AI and policing The benefits and challenges of artificial intelligence for law enforcement”, doi: 10.2813/0321023.
- [2] A. Romanishyn, O. Malytska, and V. Goncharuk, “AI-driven disinformation: policy recommendations for democratic resilience,” *Front. Artif. Intell.*, vol. 8, p. 1569115, Jul. 2025, doi: 10.3389/FRAI.2025.1569115/TEXT.
- [3] A. Diel, T. Lalgı, I. C. Schröter, K. F. MacDorman, M. Teufel, and A. Bäuerle, “Human performance in detecting deepfakes: A systematic review and meta-analysis of 56 papers,” *Computers in Human Behavior Reports*, vol. 16, p. 100538, Dec. 2024, doi: 10.1016/J.CHBR.2024.100538.
- [4] E. Altuncu, V. N. L. Franqueira, and S. Li, “Deepfake: definitions, performance metrics and standards, datasets, and a meta-review,” *Front. Big Data*, vol. 7, p. 1400024, Sep. 2024, doi: 10.3389/fdata.2024.1400024.
- [5] S. Singh and A. Dhumane, “Unmasking digital deceptions: An integrative review of deepfake detection, multimedia forensics, and cybersecurity challenges,” *MethodsX*, vol. 15, p. 103632, Dec. 2025, doi: 10.1016/j.mex.2025.103632.
- [6] M. Amen and M. L. Ranam, “Lightweight Deepfake Detection on Mobile Devices Using Attention-Enhanced MobileNet and Frequency Domain Analysis,” *Journal of Technology Informatics and Engineering*, vol. 4, no. 1, pp. 95–114, Apr. 2025, doi: 10.51903/jtie.v4i1.275.
- [7] C. A. Hutagalung, D. M. Akhmad, E. Resita, and T. Rahmi, “Deteksi Deepfake Real-Time pada Perangkat Mobile Menggunakan Arsitektur MobileViT-CBAM Teroptimasi,” *RIGGS: Journal of Artificial Intelligence and Digital Business*, vol. 4, no. 4, pp. 1543–1550, Nov. 2025, doi: 10.31004/riggs.v4i4.3634.
- [8] S. Mehta and M. Rastegari, “MobileViT: Light-weight, General-purpose, and Mobile-friendly Vision Transformer,” *ICLR 2022 - 10th International Conference on Learning Representations*, Oct. 2021, Accessed: Mar. 10, 2026. [Online]. Available: <https://arxiv.org/pdf/2110.02178>
- [9] Q. Man and Y. I. Cho, “Exposing Face Manipulation Based on Generative Adversarial Network–Transformer and Fake Frequency Noise Traces,” *Sensors*

2025, Vol. 25, Page 1435, vol. 25, no. 5, p. 1435, Feb. 2025, doi: 10.3390/s25051435.

- [10] X. Luo and Y. Wang, “Frequency-Domain Masking and Spatial Interaction for Generalizable Deepfake Detection,” *Electronics* 2025, Vol. 14, Page 1302, vol. 14, no. 7, p. 1302, Mar. 2025, doi: 10.3390/electronics14071302.
- [11] S. AlMuhaideb, H. Alshaya, L. Almutairi, D. Alomran, and S. T. Alhamed, “LightFakeDetect: A Lightweight Model for Deepfake Detection in Videos That Focuses on Facial Regions,” *Mathematics* 2025, Vol. 13, Page 3088, vol. 13, no. 19, p. 3088, Sep. 2025, doi: 10.3390/math13193088.
- [12] K. Lal, S. Shiwani, and G. C. Gandhi, “Deepfake video deception detection using visual attention-based method,” *Sci. Rep.*, vol. 15, no. 1, p. 40089, Dec. 2025, doi: 10.1038/s41598-025-23920-0.
- [13] F. Alanazi, G. Ushaw, and G. Morgan, “Improving Detection of DeepFakes through Facial Region Analysis in Images,” *Electronics* 2024, Vol. 13, Page 126, vol. 13, no. 1, p. 126, Dec. 2023, doi: 10.3390/electronics13010126.
- [14] R. Zhang, B. Deng, X. Cheng, and H. Zhao, “GCS-YOLOv8: A Lightweight Face Extractor to Assist Deepfake Detection,” *Sensors* 2024, Vol. 24, Page 6781, vol. 24, no. 21, p. 6781, Oct. 2024, doi: 10.3390/s24216781.
- [15] Š. Hubálovský, P. Trojovský, N. Bacanin, and K. Venkatachalam, “Evaluation of deepfake detection using YOLO with local binary pattern histogram,” *PeerJ Comput. Sci.*, vol. 8, p. e1086, Sep. 2022, doi: 10.7717/PEERJ-CS.1086/SUPP-1.
- [16] L. Liu, G. Wang, and Q. Miao, “ADYOLOv5-Face: An Enhanced YOLO-Based Face Detector for Small Target Faces,” *Electronics* 2024, Vol. 13, Page 4184, vol. 13, no. 21, p. 4184, Oct. 2024, doi: 10.3390/electronics13214184.
- [17] H. Zhang, C. Hu, S. Min, H. Sui, and G. Zhou, “TSFF-Net: A deep fake video detection model based on two-stream feature domain fusion,” *PLoS One*, vol. 19, no. 12, p. e0311366, Dec. 2024, doi: 10.1371/journal.pone.0311366.
- [18] M. A. Amin, Y. Hu, C. T. Li, and B. Liu, “Deepfake detection based on cross-domain local characteristic analysis with multi-domain transformer,” *Alexandria Engineering Journal*, vol. 91, pp. 592–609, Mar. 2024, doi: 10.1016/J.AEJ.2024.02.035.

- [19] F. Wang, Q. Chen, B. Jing, Y. Tang, Z. Song, and B. Wang, "Deepfake Detection Based on the Adaptive Fusion of Spatial-Frequency Features," *International Journal of Intelligent Systems*, vol. 2024, no. 1, p. 7578036, Jan. 2024, doi: 10.1155/2024/7578036.
- [20] I. Balafrej and M. Dahmane, "Enhancing practicality and efficiency of deepfake detection," *Scientific Reports 2024 14:1*, vol. 14, no. 1, pp. 31084-, Dec. 2024, doi: 10.1038/s41598-024-82223-y.
- [21] E. Altuncu, V. N. L. Franqueira, and S. Li, "Deepfake: definitions, performance metrics and standards, datasets, and a meta-review," *Front. Big Data*, vol. 7, p. 1400024, Sep. 2024, doi: 10.3389/FDATA.2024.1400024/EPUB.
- [22] F. Abbas and A. Taeiagh, "Unmasking deepfakes: A systematic review of deepfake detection and generation techniques using artificial intelligence," *Expert Syst. Appl.*, vol. 252, p. 124260, Oct. 2024, doi: 10.1016/J.ESWA.2024.124260.
- [23] S. M. Qureshi, A. Saeed, S. H. Almotiri, F. Ahmad, and M. A. A. Ghamdi, "Deepfake forensics: a survey of digital forensic methods for multimodal deepfake identification on social media," *PeerJ Comput. Sci.*, vol. 10, p. e2037, May 2024, doi: 10.7717/PEERJ-CS.2037.
- [24] R. Ramanaharan, D. B. Guruge, and J. I. Agbinya, "DeepFake video detection: Insights into model generalisation — A Systematic review," *Data Inf. Manag.*, vol. 9, no. 4, p. 100099, Dec. 2025, doi: 10.1016/J.DIM.2025.100099.
- [25] I. Amerini *et al.*, "Deepfake Media Forensics: Status and Future Challenges," *Journal of Imaging 2025, Vol. 11, Page 73*, vol. 11, no. 3, p. 73, Feb. 2025, doi: 10.3390/JIMAGING11030073.
- [26] K. Bayouddh, "A survey of multimodal hybrid deep learning for computer vision: Architectures, applications, trends, and challenges," *Information Fusion*, vol. 105, p. 102217, May 2024, doi: 10.1016/J.INFFUS.2023.102217.
- [27] J.-J. Ding, F.-T. Chien, M. Trigka, and E. Dritsas, "A Comprehensive Survey of Deep Learning Approaches in Image Processing," *Sensors 2025, Vol. 25, Page 531*, vol. 25, no. 2, p. 531, Jan. 2025, doi: 10.3390/S25020531.
- [28] P. Tsirtsakis, G. Zacharis, G. S. Maraslidis, and G. F. Fragulis, "Deep learning for object recognition: A comprehensive review of models and algorithms,"

International Journal of Cognitive Computing in Engineering, vol. 6, pp. 298–312, Dec. 2025, doi: 10.1016/J.IJCCE.2025.01.004.

- [29] M. Alrashoud, “Deepfake video detection methods, approaches, and challenges,” *Alexandria Engineering Journal*, vol. 125, pp. 265–277, Jun. 2025, doi: 10.1016/J.AEJ.2025.04.007.
- [30] M. Wu, J. Zhou, Y. Peng, S. Wang, and Y. Zhang, “Deep Learning for Image Classification: A Review,” *Lecture Notes in Electrical Engineering*, vol. 1166 LNEE, pp. 352–362, 2024, doi: 10.1007/978-981-97-1335-6_31/SAVE-RESEARCH.
- [31] M. A. Cazorla and M. Hussain, “Sustainable Machine Vision for Industry 4.0: A Comprehensive Review of Convolutional Neural Networks and Hardware Accelerators in Computer Vision,” *AI 2024, Vol. 5, Pages 1324-1356*, vol. 5, no. 3, pp. 1324–1356, Aug. 2024, doi: 10.3390/AI5030064.
- [32] A. Malik, M. Kuribayashi, S. M. Abdullahi, and A. Neyaz Khan, “DeepFake Detection for Human Face Images and Videos: A Survey”, doi: 10.1109/ACCESS.2022.3151186.
- [33] A. H. Soudy *et al.*, “Deepfake detection using convolutional vision transformers and convolutional neural networks,” *Neural Computing and Applications 2024 36:31*, vol. 36, no. 31, pp. 19759–19775, Aug. 2024, doi: 10.1007/S00521-024-10181-7.
- [34] J. Plested, M. Phiri, and T. Gedeon, “Deep transfer learning for image classification: a survey,” *Artificial Intelligence Review 2026 59:3*, vol. 59, no. 3, pp. 100–, Jan. 2026, doi: 10.1007/S10462-026-11491-Z.
- [35] I. H. Rather, S. Kumar, and A. H. Gandomi, “Breaking the data barrier: a review of deep learning techniques for democratizing AI with small datasets,” *Artificial Intelligence Review 2024 57:9*, vol. 57, no. 9, pp. 226–, Aug. 2024, doi: 10.1007/S10462-024-10859-3.
- [36] A. A. M. S. Ibrahim and J. R. Tapamo, “Transfer learning-based approach using new convolutional neural network classifier for steel surface defects classification,” *Sci. Afr.*, vol. 23, p. e02066, Mar. 2024, doi: 10.1016/J.SCIAF.2024.E02066.

- [37] M. Alrashoud, “Deepfake video detection methods, approaches, and challenges,” *Alexandria Engineering Journal*, vol. 125, pp. 265–277, Jun. 2025, doi: 10.1016/J.AEJ.2025.04.007.
- [38] M. Tanfoni, E. G. Ceroni, N. Pancino, M. Bianchini, and M. Maggini, “Facial Segmentation in Deepfake Classification: a Transfer Learning Approach,” *Procedia Comput. Sci.*, vol. 246, no. C, pp. 4160–4168, Jan. 2024, doi: 10.1016/J.PROCS.2024.09.255.
- [39] R. Khanam and M. Hussain, “YOLOv11: An Overview of the Key Architectural Enhancements,” Oct. 2024, Accessed: Apr. 10, 2026. [Online]. Available: <https://arxiv.org/pdf/2410.17725>
- [40] A. C. Ömercikoğlu and M. M. Yönügül, “The Impact of Image Resolution on Face Detection: A Comparative Analysis of MTCNN, YOLOv XI and YOLOv XII models”.
- [41] S. K. Mishra, D. Rose, S. Joseph’, N. Marini, S. Berretti, and R. Caldelli, “Wavelet-based features to improve cross-forgery generalization in deepfake detection,” *Frontiers in Imaging*, vol. 5, p. 1845480, Aug. 2026, doi: 10.3389/FIMAG.2026.1845480.
- [42] S. Mehta and M. Rastegari, “Separable Self-attention for Mobile Vision Transformers,” *Transactions on Machine Learning Research*, vol. 2023-January, Jun. 2022, Accessed: Apr. 07, 2026. [Online]. Available: <https://arxiv.org/pdf/2206.02680>
- [43] X. Zhao, L. Wang, Y. Zhang, X. Han, M. Deveci, and M. Parmar, “A review of convolutional neural networks in computer vision,” *Artificial Intelligence Review 2024 57:4*, vol. 57, no. 4, pp. 99-, Mar. 2024, doi: 10.1007/S10462-024-10721-6.
- [44] M. Sandler, A. Howard, M. Zhu, A. Zhmoginov, and L. C. Chen, “MobileNetV2: Inverted Residuals and Linear Bottlenecks,” *Proceedings of the IEEE Computer Society Conference on Computer Vision and Pattern Recognition*, pp. 4510–4520, Jan. 2018, doi: 10.1109/CVPR.2018.00474.
- [45] K. Al-hammuri, F. Gebali, A. Kanan, and I. T. Chelvan, “Vision transformer architecture and applications in digital health: a tutorial and survey,” *Visual Computing for Industry, Biomedicine, and Art 2023 6:1*, vol. 6, no. 1, pp. 14-, Jul. 2023, doi: 10.1186/S42492-023-00140-9.

- [46] P. Lijin, M. Ullah, A. Vats, F. A. Cheikh, G. Santhosh Kumar, and M. S. Nair, "PolySegNet: improving polyp segmentation through swin transformer and vision transformer fusion," *Biomed. Eng. Lett.*, vol. 14, no. 6, p. 1421, Nov. 2024, doi: 10.1007/S13534-024-00415-X.
- [47] M. H. Reza *et al.*, "A comprehensive review of convolutional neural networks: foundations, enhancements and applications," *Neural Computing and Applications* 2026 38:4, vol. 38, no. 4, pp. 56-, Feb. 2026, doi: 10.1007/S00521-025-11827-W.
- [48] L. Zhao and Z. Zhang, "A improved pooling method for convolutional neural networks," *Scientific Reports* 2024 14:1, vol. 14, no. 1, pp. 1589-, Jan. 2024, doi: 10.1038/s41598-024-51258-6.
- [49] S. Il Lee *et al.*, "Vision transformer models for mobile/edge devices: a survey," *Multimed. Syst.*, vol. 30, no. 2, Apr. 2024, doi: 10.1007/S00530-024-01312-0.
- [50] S. Saha and L. Xu, "Vision transformers on the edge: A comprehensive survey of model compression and acceleration strategies," *Neurocomputing*, vol. 643, p. 130417, Aug. 2025, doi: 10.1016/J.NEUCOM.2025.130417.
- [51] S. El Lee, S. U. Cho, K. Chung, and H. Yoo, "RGB Channel Combinations Method for Feature Extraction in Image Analysis," *Int. J. Adv. Sci. Eng. Inf. Technol.*, vol. 13, no. 3, pp. 993–998, 2023, doi: 10.18517/ijaseit.13.3.18388.
- [52] Y. M. Alsakar, N. Elazab, N. Nader, W. Mohamed, M. Ezzat, and M. Elmogy, "Multi-label dental disorder diagnosis based on MobileNetV2 and swin transformer using bagging ensemble classifier," *Scientific Reports* 2024 14:1, vol. 14, no. 1, pp. 25193-, Oct. 2024, doi: 10.1038/s41598-024-73297-9.
- [53] B. G. Deepa, C. K. Lokesh, D. Umamaheswari, B. Ayshwarya, P. V. Yethish, and K. P. Suhaas, "An enhanced deep learning framework for DeepFake detection using EfficientNet-B3 comparative evaluation of deep and machine learning techniques," *Discover Computing* 2026 29:1, vol. 29, no. 1, pp. 18-, Jan. 2026, doi: 10.1007/S10791-025-09890-X.
- [54] S. Jia and W. Yao, "Joint learning of frequency and spatial domains for dense image prediction," *ISPRS Journal of Photogrammetry and Remote Sensing*, vol. 195, pp. 14–28, Jan. 2023, doi: 10.1016/J.ISPRSJPRS.2022.11.001.

- [55] V. N. Convertini, D. Impedovo, U. Lopez, G. Pirlo, and G. Sterlicchio, "Discrete Fourier Transform in Unmasking Deepfake Images: A Comparative Study of StyleGAN Creations," *Information* 2024, Vol. 15, Page 711, vol. 15, no. 11, p. 711, Nov. 2024, doi: 10.3390/INFO15110711.
- [56] Z. A. Varzaneh, S. M. Mousavi, R. Khoshkangini, and S. M. Moosavi Khaliji, "An ensemble model based on transfer learning for the early detection of Alzheimer's disease," *Scientific Reports* 2025 15:1, vol. 15, no. 1, pp. 34634-, Oct. 2025, doi: 10.1038/s41598-025-22025-y.
- [57] S. Bergmann, D. Moussa, F. Brand, A. Kaup, and C. Riess, "Forensic analysis of AI-compression traces in spatial and frequency domain," *Pattern Recognit. Lett.*, vol. 180, pp. 41–47, Apr. 2024, doi: 10.1016/J.PATREC.2024.02.015.
- [58] P. Xiang *et al.*, "A Method for Sorting High-Quality Fresh Sichuan Pepper Based on a Multi-Domain Multi-Scale Feature Fusion Algorithm," *Foods* 2024, Vol. 13, Page 2776, vol. 13, no. 17, p. 2776, Aug. 2024, doi: 10.3390/FOODS13172776.
- [59] Y. Kou, P. Li, H. Ma, J. Zhou, Z. ao Huang, and X. Li, "SFIAD: Deepfake detection through spatial-frequency feature integration and dynamic margin optimization," *Artificial Intelligence Review* 2025 58:7, vol. 58, no. 7, pp. 217-, Apr. 2025, doi: 10.1007/S10462-025-11225-7.
- [60] R. J. Povinelli, C. Ababei, P. Deshpande, A. Kammoun, P. Ravier, and O. Buttelli, "Impact of PCA Pre-Normalization Methods on Ground Reaction Force Estimation Accuracy," *Sensors* 2024, Vol. 24, Page 1137, vol. 24, no. 4, p. 1137, Feb. 2024, doi: 10.3390/S24041137.
- [61] B. Wang, X. Wu, F. Wang, Y. Zhang, F. Wei, and Z. Song, "Spatial-frequency feature fusion based deepfake detection through knowledge distillation," *Eng. Appl. Artif. Intell.*, vol. 133, p. 108341, Jul. 2024, doi: 10.1016/J.ENGAPPAI.2024.108341.
- [62] J. Zheng *et al.*, "A spatio-frequency cross fusion model for deepfake detection and segmentation," *Neurocomputing*, vol. 628, p. 129683, May 2025, doi: 10.1016/J.NEUCOM.2025.129683.
- [63] A. Bhattacharjee *et al.*, "CAE-Net: Generalized deepfake image detection using convolution and attention mechanisms with spatial and frequency domain

- features,” *J. Vis. Commun. Image Represent.*, vol. 115, p. 104679, Jan. 2026, doi: 10.1016/J.JVCIR.2025.104679.
- [64] D. Occorsio, G. Ramella, and W. Themistoclakis, “Lagrange–Chebyshev Interpolation for image resizing,” *Math. Comput. Simul.*, vol. 197, pp. 105–126, Jul. 2022, doi: 10.1016/J.MATCOM.2022.01.017.
- [65] C. H. Lee, C. T. Pan, M. C. Lee, C. H. Wang, C. Y. Chang, and Y. L. Shiue, “RDAG U-Net: An Advanced AI Model for Efficient and Accurate CT Scan Analysis of SARS-CoV-2 Pneumonia Lesions,” *Diagnostics*, vol. 14, no. 18, p. 2099, Sep. 2024, doi: 10.3390/DIAGNOSTICS14182099.
- [66] M. Xu, S. Yoon, A. Fuentes, and D. S. Park, “A Comprehensive Survey of Image Augmentation Techniques for Deep Learning,” *Pattern Recognit.*, vol. 137, p. 109347, May 2023, doi: 10.1016/J.PATCOG.2023.109347.
- [67] D. Akingbesote, Y. Zhan, R. Maskeliūnas, and R. Damaševičius, “Improving Accuracy of Face Recognition in the Era of Mask-Wearing: An Evaluation of a Pareto-Optimized FaceNet Model with Data Preprocessing Techniques,” *Algorithms 2023, Vol. 16, Page 292*, vol. 16, no. 6, p. 292, Jun. 2023, doi: 10.3390/A16060292.
- [68] J. Yoo and S. Kang, “Class-Adaptive Data Augmentation for Image Classification,” *IEEE Access*, vol. 11, pp. 26393–26402, 2023, doi: 10.1109/ACCESS.2023.3258179.
- [69] K. A. Awan, A. Shaikh, M. S. Al Reshan, M. Alsulami, S. M. Alqhtani, and S. AlYami, “Dynamic graph-enhanced deep network for robust infected fruit detection through adaptive CNN-GNN feature fusion,” *Journal of King Saud University Computer and Information Sciences 2026 38:5*, vol. 38, no. 5, pp. 226–, Mar. 2026, doi: 10.1007/S44443-026-00598-6.
- [70] H. Zhang, R. He, and W. Fang, “An Underwater Image Enhancement Method Based on Diffusion Model Using Dual-Layer Attention Mechanism,” *Water 2024, Vol. 16, Page 1813*, vol. 16, no. 13, p. 1813, Jun. 2024, doi: 10.3390/W16131813.
- [71] T. Kopalidis, V. Solachidis, N. Vretos, and P. Daras, “Advances in Facial Expression Recognition: A Survey of Methods, Benchmarks, Models, and Datasets,” *Information 2024, Vol. 15, Page 135*, vol. 15, no. 3, p. 135, Feb. 2024, doi: 10.3390/INFO15030135.

- [72] M. T. Pham *et al.*, “A dual benchmarking study of facial forgery and facial forensics,” *CAAI Trans. Intell. Technol.*, vol. 9, no. 6, pp. 1377–1397, Dec. 2024, doi: 10.1049/CIT2.12362;PAGE:STRING:ARTICLE/CHAPTER.
- [73] Y. Chen, S. Zhao, B. Chen, and M. Gustaf, “Clinically guided adaptive contrast adjustment for fetal plane classification: a modular plug-and-play solution,” *Front. Physiol.*, vol. 16, p. 1689936, Nov. 2025, doi: 10.3389/FPHYS.2025.1689936/TEXT.
- [74] M. H. Guo *et al.*, “Attention mechanisms in computer vision: A survey,” *Computational Visual Media* 2022 8:3, vol. 8, no. 3, pp. 331–368, Mar. 2022, doi: 10.1007/S41095-022-0271-Y.
- [75] Y. Wang *et al.*, “An attention mechanism module with spatial perception and channel information interaction,” *Complex & Intelligent Systems* 2024 10:4, vol. 10, no. 4, pp. 5427–5444, May 2024, doi: 10.1007/S40747-024-01445-9.
- [76] V. Singh *et al.*, “A Hybrid Deep Learning Model for Enhanced Structural Damage Detection: Integrating ResNet50, GoogLeNet, and Attention Mechanisms,” *Sensors* 2024, Vol. 24, Page 7249, vol. 24, no. 22, p. 7249, Nov. 2024, doi: 10.3390/S24227249.
- [77] C. Gao, J. Wu, H. Yu, J. Yin, and S. Guo, “FIRN: A Novel Fish Individual Recognition Method with Accurate Detection and Attention Mechanism,” *Electronics* 2022, Vol. 11, Page 3459, vol. 11, no. 21, p. 3459, Oct. 2022, doi: 10.3390/ELECTRONICS11213459.
- [78] G. Mao, G. Liao, H. Zhu, and B. Sun, “Multibranch Attention Mechanism Based on Channel and Spatial Attention Fusion,” *Mathematics* 2022, Vol. 10, Page 4150, vol. 10, no. 21, p. 4150, Nov. 2022, doi: 10.3390/MATH10214150.
- [79] Z. Wang and T. Li, “A Lightweight CNN Model Based on GhostNet,” *Comput. Intell. Neurosci.*, vol. 2022, no. 1, p. 8396550, Jan. 2022, doi: 10.1155/2022/8396550.
- [80] R. Ye, Y. Qian, and X. Huang, “RT-CBAM: Refined Transformer Combined with Convolutional Block Attention Module for Underwater Image Restoration,” *Sensors* 2024, Vol. 24, Page 5893, vol. 24, no. 18, p. 5893, Sep. 2024, doi: 10.3390/S24185893.

- [81] O. Chibuike and X. Yang, “Convolutional Neural Network–Vision Transformer Architecture with Gated Control Mechanism and Multi-Scale Fusion for Enhanced Pulmonary Disease Classification,” *Diagnostics* 2024, Vol. 14, Page 2790, vol. 14, no. 24, p. 2790, Dec. 2024, doi: 10.3390/DIAGNOSTICS14242790.
- [82] M. Zakariah and A. Alnuaim, “Recognizing human activities with the use of Convolutional Block Attention Module,” *Egyptian Informatics Journal*, vol. 27, p. 100536, Sep. 2024, doi: 10.1016/J.EIJ.2024.100536.
- [83] I. Salehin and D. K. Kang, “A Review on Dropout Regularization Approaches for Deep Neural Networks within the Scholarly Domain,” *Electronics* 2023, Vol. 12, Page 3106, vol. 12, no. 14, p. 3106, Jul. 2023, doi: 10.3390/ELECTRONICS12143106.
- [84] Z. Sun, X. Li, Y. Lu, T. Liu, Z. Chen, and Z. Jiang, “Neural Network-Driven Transmission Characteristics Modeling and Manufacturing Error Detection for Photonic Lanterns,” *Photonics* 2026, Vol. 13, Page 496, vol. 13, no. 5, p. 496, May 2026, doi: 10.3390/PHOTONICS13050496.
- [85] C. E. Vasile, A. A. Ulmămei, and C. Bîră, “Image Processing Hardware Acceleration—A Review of Operations Involved and Current Hardware Approaches,” *J. Imaging*, vol. 10, no. 12, p. 298, Dec. 2024, doi: 10.3390/JIMAGING10120298.
- [86] R. Sindhu and V. Arunachalam, “Hardware efficient approximate activation functions for a Long-Short-Term Memory cell,” *Integration*, vol. 107, p. 102627, Mar. 2026, doi: 10.1016/J.VLSI.2025.102627.
- [87] M. Conciatori, A. Valletta, and A. Segalini, “Improving the quality evaluation process of machine learning algorithms applied to landslide time series analysis,” *Comput. Geosci.*, vol. 184, p. 105531, Feb. 2024, doi: 10.1016/J.CAGEO.2024.105531.
- [88] B. Kocak *et al.*, “Evaluation metrics in medical imaging AI: fundamentals, pitfalls, misapplications, and recommendations,” *European Journal of Radiology Artificial Intelligence*, vol. 3, p. 100030, Sep. 2025, doi: 10.1016/J.EJRAI.2025.100030.

- [89] R. Fauzan, A. V. Vitianingsih, D. Cahyono, A. L. Maukar, and Y. A. B. Suprio, "Penerapan Algoritma Klasifikasi pada Machine Learning untuk Deteksi Phishing," *MALCOM: Indonesian Journal of Machine Learning and Computer Science*, vol. 5, no. 2, pp. 531–540, Mar. 2025, doi: 10.57152/malcom.v5i2.1968.
- [90] "Head detection Computer Vision Dataset." Accessed: Sep. 03, 2026. [Online]. Available: <https://universe.roboflow.com/learn-2spnz/head-detection-gun9q/dataset/2>
- [91] "FaceForensics++ Dataset (C23)." Accessed: Sep. 03, 2026. [Online]. Available: <https://www.kaggle.com/datasets/xdxd003/ff-c23>