

DAFTAR PUSTAKA

- Bach, B., Freeman, E., Abdul-Rahman, A., Turkay, C., Khan, S., Fan, Y., & Chen, M. (2023). Dashboard Design Patterns. *IEEE Transactions on Visualization and Computer Graphics*, 29(1), 342–352. <https://doi.org/10.1109/TVCG.2022.3209448>
- Black, P. E., Guttman, B., & Okun, V. (2021). *Guidelines on Minimum Standards for Developer Verification of Software*. <https://doi.org/10.6028/NIST.IR.8397>
- Carion, N., Massa, F., Synnaeve, G., Usunier, N., Kirillov, A., & Zagoruyko, S. (2020). *End-to-End Object Detection with Transformers*. <https://doi.org/https://doi.org/10.48550/arXiv.2005.12872>
- Carrera García, J. M., Recas Piorno, J., & Guijarro Mata-García, M. (2022). Expert system design for vacant parking space location using automatic learning and artificial vision. *Multimedia Tools and Applications*, 81(27), 38661–38683. <https://doi.org/10.1007/s11042-022-12906-z>
- Dung, T. X., & Cho, S. (2024). Parking lot occupancy detection using deep learning and fisheye camera for aiot system. *Smart Media Journal*, 13(1), 24–35. <https://doi.org/10.30693/SMJ.2023.13.01.24>
- Encío, L., Díaz, C., del-Blanco, C. R., Jaureguizar, F., & García, N. (2023). Visual Parking Occupancy Detection Using Extended Contextual Image Information via a Multi-Branch Output ConvNeXt Network. *Sensors*, 23(6). <https://doi.org/10.3390/s23063329>
- Fahim, A., Hasan, M., & Chowdhury, M. A. (2021). Smart parking systems: comprehensive review based on various aspects. *Heliyon*, 7(5), e07050. <https://doi.org/https://doi.org/10.1016/j.heliyon.2021.e07050>
- Fathurrahman, M., Nugroho, A., & Al Wafi, A. Z. (2025). COMPARATIVE STUDY OF YOLO VERSIONS FOR DETECTING VACANT CAR PARKING SPACES. *JITK (Jurnal Ilmu Pengetahuan Dan Teknologi Komputer)*, 10(4), 833–848. <https://doi.org/10.33480/jitk.v10i4.6236>

- Grbić, R., & Koch, B. (2023). *Automatic Vision-Based Parking Slot Detection and Occupancy Classification*. <https://doi.org/10.1016/j.eswa.2023.120147>
- Heaton, J. (2018). Ian Goodfellow, Yoshua Bengio, and Aaron Courville: Deep learning. *Genetic Programming and Evolvable Machines*, 19(1–2), 305–307. <https://doi.org/10.1007/s10710-017-9314-z>
- Hevner, A. R., March, S. T., Park, J., & Ram, S. (2004). Design Science in Information Systems Research1. *Management Information Systems Quarterly*, 28(1), 75–106. <https://doi.org/10.2307/25148625>
- Janowski, A., Hüsrevoğlu, M., & Renigier-Bilozor, M. (2024). Sustainable Parking Space Management Using Machine Learning and Swarm Theory—The SPARK System. *Applied Sciences (Switzerland)*, 14(24). <https://doi.org/10.3390/app142412076>
- Jiang, J., Tang, R., Kang, W., Xu, Z., & Qian, C. (2025). Two-Stage Efficient Parking Space Detection Method Based on Deep Learning and Computer Vision. *Applied Sciences (Switzerland)*, 15(3). <https://doi.org/10.3390/app15031004>
- Jocher, G., Qiu, J., Liu, M., Lyu, S., Akyon, F. C., & Kalfaoglu, M. E. (2026). *Ultralytics YOLO26: Unified Real-Time End-to-End Vision Models*. <http://arxiv.org/abs/2606.03748>
- Koç, H., Erdoğan, A. M., Barjakly, Y., & Peker, S. (2021). *UML Diagrams in Software Engineering Research: A Systematic Literature Review*. 13. <https://doi.org/10.3390/proceedings2021074013>
- Lee, D.-H. (2013). *Pseudo-Label : The Simple and Efficient Semi-Supervised Learning Method for Deep Neural Networks*.
- Lee, H., Chatterjee, I., & Cho, G. (2023). A Systematic Review of Computer Vision and AI in Parking Space Allocation in a Seaport. In *Applied Sciences (Switzerland)* (Vol. 13, Number 18). Multidisciplinary Digital Publishing Institute (MDPI). <https://doi.org/10.3390/app131810254>
- Mulyanto, A., Sari, R. F., & Muis, A. (2024). Road Damage Dataset Evaluation Using YOLOv8 for Road Inspection System. *2024 16th International*

- Conference on Computer and Automation Engineering (ICCAE)*, 403–407. <https://doi.org/10.1109/ICCAE59995.2024.10569208>
- Nugroho, H., Suwasono Adi, G., & Khoer Afandi, M. (2023). Detection of Empty/Occupied States of Parking Slots in Multicamera System Using Mask R-CNN Classifier. In *INTERNATIONAL JOURNAL OF APPLIED TECHNOLOGY RESEARCH* (Vol. 2023, Number 1). <https://ijatr.polban.ac.id/>
- Oksuz, K., Cam, B. C., Akbas, E., & Kalkan, S. (2018). *Localization Recall Precision (LRP): A New Performance Metric for Object Detection*. <http://arxiv.org/abs/1807.01696>
- OpenAPI Initiative. (2025). *OpenAPI Specification v3.2.0*.
- Oracle Corporation. (2026). *MySQL 8.4 Reference Manual*. Oracle Corporation. <https://dev.mysql.com/doc/refman/8.4/en/>
- Peffer, K., Tuunanen, T., Rothenberger, M. A., & Chatterjee, S. (2007). A Design Science Research Methodology for Information Systems Research. *Journal of Management Information Systems*, 24(3), 45–77. <http://www.jstor.org/stable/40398896>
- Popereshnyak, S., & Chornobryvets, D. (2025). *Real-time parking space monitoring system based on computer vision* ★.
- Rafique, S., Gul, S., Jan, K., & Khan, G. M. (2023). Optimized real-time parking management framework using deep learning. *Expert Systems with Applications*, 220, 119686. <https://doi.org/https://doi.org/10.1016/j.eswa.2023.119686>
- Redmon, J., Divvala, S., Girshick, R., & Farhadi, A. (2016). *You Only Look Once: Unified, Real-Time Object Detection*. <http://pjreddie.com/yolo/>
- Schulte, M. R., Thiée, L.-W., Scharfenberger, J., & Funk, B. (2021). Parking Space Management Through Deep Learning – An Approach for Automated, Low-Cost and Scalable Real-Time Detection of Parking Space Occupancy. In F. Ahlemann, R. Schütte, & S. Stieglitz (Eds.), *Innovation Through Information Systems* (pp. 642–655). Springer International Publishing.

- Szeliski, R. (2021). *Computer Vision: Algorithms and Applications 2nd Edition*. <https://szeliski.org/Book>,
- Wei, W., Chen, H., Gong, J., Che, K., Ren, W., & Zhang, B. (2025). Real-Time Parking Space Detection Based on Deep Learning and Panoramic Images. *Sensors*, 25(20). <https://doi.org/10.3390/s25206449>
- Wong, G. S., Goh, K. O. M., Tee, C., & Aznul, A. Q. (2023). Review of Vision-Based Deep Learning Parking Slot Detection on Surround View Images. In *Sensors* (Vol. 23, Number 15). Multidisciplinary Digital Publishing Institute (MDPI). <https://doi.org/10.3390/s23156869>
- Yosinski, J., Clune, J., Bengio, Y., & Lipson, H. (2014). How transferable are features in deep neural networks? In Z. Ghahramani, M. Welling, C. Cortes, N. Lawrence, & K. Weinberger (Eds.), *Advances in Neural Information Processing Systems* (Vol. 27). Curran Associates, Inc. https://proceedings.neurips.cc/paper_files/paper/2014/file/532a2f85b6977104bc93f8580abbb330-Paper.pdf
- Yuldashev, Y., Mukhiddinov, M., Abdusalomov, A. B., Nasimov, R., & Cho, J. (2023). Parking Lot Occupancy Detection with Improved MobileNetV3. *Sensors*, 23(17). <https://doi.org/10.3390/s23177642>
- Zhao, N., Wang, K., Yang, J., Luan, F., Yuan, L., & Zhang, H. (2024). CMCA-YOLO: A Study on a Real-Time Object Detection Model for Parking Lot Surveillance Imagery. *Electronics (Switzerland)*, 13(8). <https://doi.org/10.3390/electronics13081557>