

International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)

International Open-Access, Double-Blind, Peer-Reviewed, Refereed, Multidisciplinary Online Journal

Volume 4, Issue 6, April 2024

## **Indigenous Heritage Hub**

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Abstract: In India, a wide variety of monuments and literal spots are dispersed throughout the nation, artistic heritage protection has lately gained significance. This study introduces a web operation for monument discovery powered by SUPPORT VECTOR MACHINE (SVM) that provides a variety of rudiments that will prop in guarding India's artistic heritage. SVM are used by the website as the deep literacy technology to precisely fete and classify monuments grounded on photos that stoner's input. It also provides a number of helpful features, similar as original information like tabernacle, culture and other information for druggies at the monument point. When visiting literal places, these aspects help to give guests a more thorough and immersive experience. The issues demonstrate how effective the SVM-grounded web operation is at classifying monuments. A sizable collection of images of notorious spots in India were used to test the proposed system. The system may be used for artistic preservation, tourism, and education.

Keywords: Support Vector Machine, Heritage, Culture, Web Operation

## REFERENCES

[1] Szegedy, C., Vanhoucke, V., Ioffe, S., Shlens, J. and Wojna, Z., 2016. Rethinking the inception architecture for computer vision. In Proceedings of the IEEE conference on computer vision and pattern recognition (pp. 2818-2826).

[2] Szeliski, R., 2010. Computer vision: algorithms and applications. Springer Science & Business Media.

[3] Umbaugh, S.E., 2010. Digital image processing and analysis: human and computer vision applications with CVIPtools. CRC press.

[4] Alsing, O., 2018. Mobile object detection using tensorflowlite and transfer learning.

[5] Gada, S., Mehta, V., Kanchan, K., Jain, C. and Raut, P., 2017, December. Monument recognition using deep neural networks. In 2017 IEEE International Conference on Computational Intelligence and Computing Research (ICCIC) (pp. 1-6). IEEE.

[5] Gada, S., Mehta, V., Kanchan, K., Jain, C. and Raut, P., 2017, December. Monument recognition using deep neural networks. In 2017 IEEE International Conference on Computational Intelligence and Computing Research (ICCIC) (pp. 1-6). IEEE.

[6] Palma, Valerio. (2019). TOWARDS DEEP LEARNING FOR ARCHITECTURE: A MONUMENT RECOGNITION MOBILE APP. ISPRS - International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences. XLII-2/W9.551-556. 10.5194/isprs-archives-XLII-2-W9-551-2019.

[7] Termritthikun, C., Kanprachar, S. and Muneesawang, P., 2018. NU-LiteNet: Mobile Landmark Recognition using Convolutional Neural Networks. arXiv preprint arXiv:1810.01074.

[8] Shi, H., Xu, M. and Li, R., 2017. Deep learning for household load forecasting—A novel pooling deep RNN. IEEE Transactions on Smart Grid, 9(5), pp.5271-5280

