Detection of Fake Account on Social Media- Twitter

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Abstract: *In the ongoing age, online interpersonal interaction (OSNs) has become more famous, and virtual entertainment is turning out to be increasingly more connected with these destinations. They use OSN to speak with others, share news, put together occasions, and maintain their own e-business. The solid development of OSNs and the enormous number of individual data of its endorsers has driven aggressors, and charlatans to take their data, share bogus news, and spread noxious exercises. Phony or man-made counterfeit profiles intended to spread bits of hearsay, wholesale fraud and so on. Thus, in this venture, we are attempting to propose a disclosure model, which recognizes counterfeit profiles and genuine profiles on Twitter in view of visual highlights, for example, fan counts, companions count, status computations and seriously utilizing different AI strategies.*

Keywords: Fake Profile, Machine Learning, Support Vector Machine (SVM), Random Forest (RF) and KNN, Dataset.

REFERENCES

[1]. S.Khaled, N. El-Tazi and H. M. O. Mokhtar, "Detecting Fake Accounts on Social Media,"2018 IEEE International Conference on Big Data (Big Data), 2018.

[2]. Mohammadreza Mohammadrezaei, Mohammad Ebrahim Shiri, Amir Masoud Rahmani,"Identifying Fake Accounts on Social Networks Based on Graph Analysis and Classification Algorithms",Security and Communication Networks,vol.2018.

[3]. Sk. Shama, K.Siva Nandini, P.Bhavya Anjali, K. Devi Manaswi, "Fake Profile Identification in Online Social Networks"International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-8 Issue-4, November 2019.

[4]. K. Ojo, A. (2019). Improved Model for Detecting Fake Profiles in Online Social Network: A Case Study of Twitter. Journal of Advances in Mathematics and Computer Science,2019.

[5]. S. L. Bangare, G. Pradeepini, S. T. Patil, "Implementation for brain tumor detection and three dimensional visualization model development for reconstruction", ARPN Journal of Engineering and Applied Sciences (ARPN JEAS), Vol.13, Issue.2, ISSN 1819-6608, pp.467-473. 20/1/2018 http://www.arpnjournals.org/jeas/research_papers/rp_2018/jeas_0118_6691.pdf

[6]. S. L. Bangare, S. T. Patil et al, "Reviewing Otsu's Method for Image Thresholding." International Journal of Applied Engineering Research, ISSN 0973-4562, Volume 10, Number 9 (2015) pp. 21777-21783, © Research India Publications https://dx.doi.org/10.37622/IJAER/10.9.2015.21777-21783

[7]. S. L. Bangare, G. Pradeepini, S. T. Patil, "Regenerative pixel mode and tumor locus algorithm development for brain tumor analysis: a new computational technique for precise medical imaging", International Journal of Biomedical Engineering and Technology, Inderscience, 2018, Vol.27 No.1/2. https://www.inderscienceonline.com/doi/pdf/10.1504/IJBET.2018.093087

[8]. S. L. Bangare, A. R. Khare, P. S. Bangare, "Quality measurement of modularized object oriented software using metrics", ICWET '11: Proceedings of the International Conference & Workshop on Emerging Trends in Technology, February 2011, pp. 771–774. https://doi.org/10.1145/1980022.1980190.1.

[9]. S. L. Bangare, G. Pradeepini and S. T. Patil, "Brain tumor classification using mixed method approach," 2017 International Conference on Information Communication and Embedded Systems (ICICES), 2017, pp. 1-4, doi: 10.1109/ICICES.2017.8070748.

[10]. S. L. Bangare, S. Prakash, K. Gulati, B. Veeru, G. Dhiman and S. Jaiswal, "The Architecture, Classification, and Unsolved Research Issues of Big Data extraction as well as decomposing the Internet of Vehicles (IoV)," 2021 6th International Conference on Signal Processing, Computing and Control (ISPCC), 2021, pp. 566-571, doi: 10.1109/ISPCC53510.2021.9609451.

[11]. S. L. Bangare, G. Pradeepini, S. T. Patil et al, "Neuroendoscopy Adapter Module Development for Better Brain Tumor Image Visualization", International Journal of Electrical and Computer Engineering (IJECE) Vol. 7, No. 6, December 2017, pp. 3643~3654. http://ijece.iaescore.com/index.php/IJECE/article/view/8733/7392

[12]. N. Shelke, S. Chaudhury, S. Chakrabarti, S. L. Bangare et al. "An efficient way of text-based emotion analysis from social media using LRA-DNN", Neuroscience Informatics, Volume 2, Issue 3, September 2022, 100048, ISSN 2772-5286, https://doi.org/10.1016/j.neuri.2022.100048 .

[13]. Suneet Gupta, Sumit Kumar, Sunil L. Bangare, Shibili Nuhmani, Arnold C. Alguno, Issah Abubakari Samori, "Homogeneous Decision Community Extraction Based on End-User Mental Behavior on Social Media", Computational Intelligence and Neuroscience, vol. 2022, Article ID 3490860, 9 pages, 2022. https://doi.org/10.1155/2022/3490860.

[14]. Gururaj Awate, S. L. Bangare, G. Pradeepini and S. T. Patil, "Detection of Alzheimers Disease from MRI using Convolutional Neural Network with Tensorflow",arXiv, https://doi.org/10.48550/arXiv.1806.10170

[15]. P. S. Bangare, S. L. Bangare, R. U. Yawle and S. T. Patil, "Detection of human feature in abandoned object with modern security alert system using Android Application," 2017 International Conference on Emerging Trends & Innovation in ICT (ICEI), 2017, pp. 139-144, doi: 10.1109/ETIICT.2017.7977025.

[16]. P. S. Bangare and S. L. Bangare. "The Campus Navigator: An Android Mobile Application." International Journal of Advanced Research in Computer and Communication Engineering 3, no. 3 (2014): 5715-5717.

[17]. P. S. Bangare, N. J. Uke, and S. L. Bangare, "An approach for detecting abandoned object from real time video." International Journal of Engineering Research and Applications (IJERA) 2.3 (2012): 2646-2649.

[18]. Kalpana S. Thakare, Viraj Varale, "Prediction of Heart Disease using Machine Learning Algorithm", Bioscience Biotechnology Research Communications (Special issue) Volume 13, Issue 12, 2020 (Dec 2020 issue).

[19]. Kalpana S. Thakare, A. M. Rajurkar, "Shot Boundary Detection of MPEG Video using Biorthogonal Wavelet Transform", International Journal of Pure and Applied Mathematics, Volume 118, No. 7, pp. 405-413, ISSN: 1311-8080 (printed version); ISSN: 1314-3395 (on-line version), url: http://www.ijpam.eu

[20]. Kalpana S. Thakare, A. M. Rajurkar, R. R. Manthalkar, "Video Partitioning and Secured Key frame Extraction of MPEG Video", Proceedia Computer Science Journal, Volume 78, pp 790-798, Elsevier, 2016. Scopus DOI: htpp://10.1016/j.procs.2016.02.058, www.sciencedirect.com/science/article/pii/S1877050916000600

[21]. Kalpana S. Thakare, A. M. Rajurkar and R. R. Manthalkar, "Content based Video Retrieval using Latent Semantic Indexing and Color, Motion and Edge Features", International Journal of Computer Applications 54(12):42-48, September 2012, Published by Foundation of Computer Science, New York, USA. DOI: 10.5120/8621-2486

[22]. Kalpana S. Thakare, Archana M. Rajurkar, R. R. Manthalkar, "A Comprehensive System Based on Spatiotemporal Features Such as motion, Quantized Color and Edge Features", International Journal of Wireless and Microwave Technologies (IJWMT) ISSN 1449 (Print), ISSN: 2076-9539 (Online), Vol.1, No.3, June. 2011, DOI: 10.5815 /ijwmt

[23]. Kalpana S. Thakare, Archana M. Rajurkar, Dr. R. R. Manthalkar, "An effective CBVR system based on Motion, Quantized color and edge density features", International Journal of Computer Science & Information Technology (IJCSIT), ISSN 0975 – 3826, Vol 3, No 2, April 2011 DOI: 10.5121/ijcsit.2011.3206 78.

[24]. M. L. Bangare, "Attribute Based Encryption And Data Integrity For Attack on Cloud Storage", Journal of Analysis and Computation (JAC), (An International Peer Reviewed Journal), www.ijaconline.com, ISSN 0973-2861, ICASETMP-2019, pp.1-4. http://www.ijaconline.com/wp-content/uploads/2019/07/ICASETMP67.pdf

[25]. M. L. Bangare, Sarang A. Joshi, "Kernel interpolation-based technique for privacy protection of pluggable data in cloud computing", International Journal of Cloud Computing, Volume 9, Issue 2-3, pp.355-374, Publisher Inderscience Publishers (IEL).

[26]. Rajesaheb R. Kadam and Manoj L. Bangare, "A survey on security issues and solutions in live virtual machine migration", International Journal of Advance Foundation and Research in Computer (IJAFRC), (December, 2012). ISSN (2014), pp.2348-4853.

[27]. Sachindra K. Chavan, Manoj L. Bangare, "Secure Data Storage in Cloud Service using RC5 Algorithm", International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277-3878, Volume-2, Issue-5 November 2013, pp.139-144.