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Area:Web Security, Information Retrieval, Semantic Web, Artificial intelligence

List of Publications:

1. Gowtham R, Menen A. "Automated dynamic approach for detecting ransomware using finite-state machine". Decision Support Systems, Elsevier, vol. 138, 2020 Sep 6. DOI:10.1016/j.dss.2020.113400. (Impact Factor: 4.721, SCI Indexed)

2. Sourav R, Dayanand V, Gowtham R, Sini Raj P, Senthilkumar M. A layered approach to detect elephants in live surveillance video streams using convolution neural networks. Journal of Intelligent & Fuzzy Systems, IOS Press, Volume 38, Issue 5, Pages 6291-6298, 2020. (Impact Factor:1.637)

3. Ramu NA, Bandarupalli MS, Nekkanti MS, Ramesh Gowtham. Summarization of Research Publications Using Automatic Extraction. InInternational Conference on Intelligent Data Communication Technologies and Internet of Things 2019 Sep 12 (pp. 1-10). Springer, Cham.

4. Raghavi V, Gowtham R. AI based Semantic Extensibility and Querying Techniques for Building Information Model. In2019 International Conference on Intelligent Computing and Control Systems (ICCS), IEEE, pp. 1497-1501, 2019 May 15.

5. Desul S, Sudarsana Desul, Madurai Meenachi N., Thejas Venkatesh, Vijitha Gunta, Gowtham R., Magapu Sai Baba,. Method for automatic key concepts extraction: Application to documents in the domain of nuclear reactors. Electronic Library, Emerald Publisher, Vol. 37 No. 1, February 2019, pp. 2-15. (Impact Factor : 0.800, SSCI)

6. Anjalee Menen, R. Gowtham, An Efficient Ransomware Detection System. International Journal of Recent Technology and Engineering, Volume-7, Issue-5S3, 2109. 28-31.

7. Sripadh T, Ramesh Gowtham. Personalized Research Paper Recommender System. In Computational Vision and Bio Inspired Computing, vol. 28, 2018 (pp. 437-446). Springer, Cham. [Conference Paper]

8. Sruthi, M., Sini Raj Pulari, and Ramesh Gowtham. "Comprehensive Study on Usage of Multi Objectives in Recommender Systems." Computational Vision and Bio Inspired Computing. Springer, Cham, 2018. 55-67.

9. Ramesh, Gowtham, Kirubakara Selvakumar, and Archana Venugopal. "Intelligent explanation generation system for phishing webpages by employing an inference system." Behaviour & Information Technology, Taylor & Francis, VOL. 36, NO. 12, 1244–1260, 2017. (Impact Factor : 1.388, SCI, WoS Indexed)

10. Ramesh, Gowtham, Jithendranath Gupta, and P. G. Gamya. "Identification of phishing webpages and its target domains by analyzing the feign relationship." Journal of Information Security and Applications, Elsevier, 35 (2017): 75-84. (Impact Factor : 1.537, Science Citation Index Expanded indexed)

11. Ramesh, Gowtham, Senthilkumar Mathi, Sini Raj Pulari, and Vidya Krishnamoorthy, "An Automated Vision-based Method to Detect Elephants for Mitigation of Human-Elephant Conflicts.", International Conference on Advances in Computing, Communications and Informatics (ICACCI), 2017. [Conference Paper]

12. Gowtham, R, Ilango Krishnamurthi, Vamsee Krishna Kiran, M & Sampath, K, 'An Anti-Phishing framework based on semantic web technology', International Journal of Computer Science and Applications. (Accepted for publication, Scopus Indexed)

13. A Venugopal and Gowtham, R, 'A Study On Verbalization Of OWL Axioms Using Controlled Natural Language', International Journal of Applied Engineering Research, 10(7), 2015, Pages 16953-16960.