significant implementation difference. In addition to these, frameworks that are used here performs effectively with good compatibility in made and certifiable information sets

6. REFERENCES

[1] W. Li and C. X. Chen, "Efficient data modelling and querying systemfor multi-dimensional spatial data," in GIS, 2008, pp. 58:1–58:4.

[2] D. Zhang, B. C. Ooi, and A. K. H. Tung, "Locating mapped resources in web 2.0," in ICDE, 2010, pp. 521–532.

[3] V. Singh, S. Venkatesha, and A. K. Singh, "Geo-clustering of images with missing geotags," in GRC, 2010, pp. 420–425.

[4] V. Singh, A. Bhattacharya, and A. K. Singh, "Querying spatial patterns,"in EDBT, 2010, pp. 418–429.

[5] J. Bourgain, "On lipschitz embedding of finite metric spaces in Hilbert space," Israel J. Math., vol. 52, pp. 46–52, 1985.

[6] X. Cao, G. Cong, C. S. Jensen, and B. C. Ooi, "Collective spatial keyword querying," in Proc. ACM SIGMOD Int. Conf. Manage. Data, 2011, pp. 373–384.

[7] C. Long, R. C.-W. Wong, K. Wang, and A. W.-C. Fu, "Collective spatial keyword queries: A distance owner-driven approach," in Proc. ACM SIGMOD Int. Conf. Manage. Data, 2013, pp. 689–700.

[8] M. Datar, N. Immorlica, P. Indyk, and V. S. Mirrokni, "Locality- sensitive hashing scheme based on p-stable distributions," in Proc. 20th Annu. Symp. Comput. Geometry, 2004, pp. 253–262.

[9] R. Hariharan, B. Hore, C. Li, and S. Mehrotra, "Processing spatial- keyword (SK) queries in geographic information retrieval (GIR) systems," in Proc. 19th Int. Conf. Sci. Statist

[10] D. Comer, "The ubiquitous b-tree," ACM Comput. Surveys, vol. 11, no. 2, pp. 121–137, 1979.

[11] J. M. Kleinberg, "Two algorithms for nearest-neighbor search in high dimensions," in Proc. 29th Annu. ACM Symp. Theory Comput., 1997, pp. 599–608.

[12] W. Johnson and J. Lindenstrauss, "Extensions of Lipschitz map- pings into a Hilbert Space," Contemporary Math., vol. 26, pp. 189– 206, 1984.

[13] R. Weber, H.-J. Schek, and S. Blott, "A quantitative analysis and perfomance study for similarity-search methods in high-dimen- sional spaces," in Proc. 24th Int. Conf. Very Large Databases, 1998, pp. 194–205.

[14] P. Ciaccia, M. Patella, and P. Zezula, "M-tree: An efficient access method for similarity search in metric spaces," in Proc. 23rd Int. Conf. Very Large Databases, 1997, pp. 426–435

[15] R. Agrawal and R. Srikant, "Fast algorithms for mining associa- tion rules in large databases," in Proc. 20th Int. Conf. Very Large Databases, 1994, pp. 487–499.

[16] N. Beckmann, H.-P. Kriegel, R. Schneider, and B. Seeger, "The R*- tree: An efficient and robust access method for points and rec- tangles," in Proc. ACM SIGMOD Int. Conf. Manage. Data, 1990, pp. 322–331.

[17] S. Vaid, C. B. Jones, H. Joho, and M. Sanderson, "Spatio-textual indexing for geographical search on the web," in Proc. 9th Int. Conf. Adv. Spatial Temporal Databases, 2005, pp. 218–235.

[18] N. Beckmann, H.-P. Krueger, R. Schneider, and B. Seeger, "The R*- tree: An efficient and robust access method for points and rectangles," in Proc. ACM SIGMOD Int. Conf. Manage. Data, 1990, pp. 322–31.

[19] I.De Felipe,V.Hristidis and N.Rishe,"Keyword search on spatial databases", in proc.IEEE 24th intl. Conf . Data Eng ,2008,pp 337-348,2009.

[20].G.Cong ,C.S Jensen, and D.Wu "Efficient retrieval of the top-k most relevant spatial web objects", Proc. VLDB Endowment, Vol 2,pp.337-348,2009.