

Publications

1. Paper/Articles

(a) Journals

- I. Jaya Rao Gudeme¹ , Syam Kumar Pasupuleti² , Ramesh Kandukuri, Attribute-based public integrity auditing for shared data with efficient user revocation in cloud storage. *Journal of Ambient Intelligence and Humanized Computing*, Springer,2020. <https://doi.org/10.1007/s12652-020-02302-6>
- II. Praveen Kumar Premkamal, Syam Kumar Pasupuleti & Abhishek Kumar Singh and Alphonse P.J.A. Enhanced attribute-based access control with secure deduplication for big data storage in cloud. *Peer-to-Peer Networking and Applications*, Springer,2020. <https://doi.org/10.1007/s12083-020-00940-3>
- III. Varri, U., Pasupuleti, S. & Kadambari, K.V. A scoping review of searchable encryption schemes in cloud computing: taxonomy, methods, and recent developments. *J Supercomput* 76, 3013–3042 (2020). <https://doi.org/10.1007/s11227-019-03087-y>
- IV. Premkamal, P.K., Pasupuleti, S.K. and Alphonse, P.J.A. Dynamic traceable CP-ABE with revocation for outsourced big data in cloud storage. *International journal of Communication Systems(IJCS)*, Wiley,2020. <https://doi.org/10.1002/dac.4351>
- V. Premkamal, P.K., Pasupuleti, S.K. and Alphonse, P.J.A. A New Verifiable Outsourced Ciphertext-Policy Attribute Based Encryption for Big Data Privacy and Access Control in Cloud. *Journal of Ambient Intelligence and Humanized Computing*, Springer, 2018. <https://doi.org/10.1007/s12652-018-0967-0>
- VI. Kumar, P. P., Kumar, P. S., & Alphonse, P. J. A. (2018). Attribute based encryption in cloud computing: A survey, gap analysis, and future directions. *Journal of Network and Computer Applications (JNCA)*, Elsevier. 108 pp. 37-52. doi:10.1016/j.jnca.2018.02.009.
- VII. Jaya Rao Gudeme, Syam Kumar Pasupuleti, and Ramesh Kandukuri.: Review on Public Integrity Auditing of Data in Cloud Computing. *International journal of Cloud Computing*, Vol.8 No.1, pp.20 – 49, 2019, Inderscience.
- VIII. Syam Kumar Pasupuleti, Subramanian Ramalingam, Rajkumar Buyya, “An Efficient and Secure Privacy-Preserving Approach for Outsourced Data of Resource Constrained Mobile Devices in Cloud Computing”, *Journal of Network and Computer Applications*, Elsevier. Vol. 64, pp.11-22, 2016.
- IX. Syam Kumar Pasupuleti, "Effective and Secure Data Storage in Multi-Cloud Storage Architectures", *International Journal of Information and Communication Technology Int. J. Information and Communication Technology*, Vol. 12, Nos. 1/2, 2018, Inderscience, Publications, 2018.
- X. Syam Kumar Pasupuleti, "Effective and Secure Data Storage in Multi-Cloud Storage Architectures", *International Journal of Information and Communication Technology*

Int. J. Information and Communication Technology, Vol. 12, Nos. 1/2, 2018, Inderscience, Publications, 2018.

- XI. Praveen Kumar P., Syam Kumar P., and Alphonse P.J.A, Efficient escrow-free CP-ABE with constant size ciphertext and secret key for big data storage in cloud, International journal of Cloud Computing, and Applications (IJCAC), IGI-Global Publications. ESCI Indexed

(b) Conferences

- I. Uma Sankararao Varri, Syam Kumar Pasupuleti and Kv Kadambari, Key-Escrow Free Attribute-Based Multi-Keyword Search with Dynamic Policy Update in Cloud Computing, in Proc.of 20th IEEE/ACM International Symposium on Cluster, Cloud and Internet Computing (CCGRID) , May 11-14, 2020, Melbourne, Victoria, Australia. DOI 10.1109/CCGrid49817.2020.00-48.
- II. Medikonda Asha Kiran, Syam Kumar Pasupuleti and R Eswari. A Lightweight Two-factor Mutual Authentication Scheme for Cloud-based IoT. Proc. of 4th International Conference on Recent Advances & Innovations in Engineering”(ICRAIE-2019), **Kedah, Malaysia, 2019, pp. 1-6.** [10.1109/ICRAIE47735.2019.9037779](https://doi.org/10.1109/ICRAIE47735.2019.9037779)
- III. K. S. Reddi and S. Kumar Pasupuleti, "Optimal Energy aware Dynamic Virtual Machine consolidation in Cloud Data Centers," 2019 IEEE 16th India Council International Conference (INDICON), Rajkot, India, 2019, pp. 1-4, doi: 10.1109/INDICON47234.2019.9029070.
- IV. Padhy T., Pasupuleti S.K. (2020) Efficient Certificateless Privacy-Preserving Public Auditing for Cloud-Based IIoT. In: M. Thampi S. et al. (eds) Applied Soft Computing and Communication Networks. ACN 2019. Lecture Notes in Networks and Systems, vol 125. Springer, Singapore. https://doi.org/10.1007/978-981-15-3852-0_10
- V. Kumar A., Kumar P.S. (2020) Efficient Ciphertext Policy Attribute Based Encryption (ECP-ABE) for Data Deduplication in Cloud Storage. In: Thampi S., Martinez Perez G., Ko R., Rawat D. (eds) Security in Computing and Communications. SSCC 2019. Communications in Computer and Information Science, vol 1208. Springer, Singapore. https://doi.org/10.1007/978-981-15-4825-3_26
- VI. Swapnil Ramesh A, Syam Kumar P.: Dynamic Verifiable Outsourced Database with Freshness in Cloud Computing. In: Proceedings of 8th International Conference on Advances in Computing and Communication (ICACC). Vol no.143. 367-377. Procedia Computer Science, Elsevier.
- VII. Sucharita Khuntia and P. Syam Kumar.: New Hidden Policy CP-ABE for Big Data Access Control with Privacy-preserving Policy in Cloud Computing. In: proceedings of 9th International Conference on Computing, Communication and Networking Technologies (ICCCNT).1-7.IEEE.(2018) from July 10-12, 2018, IISC, Bengaluru DOI: [10.1109/ICCCNT.2018.8493698](https://doi.org/10.1109/ICCCNT.2018.8493698)
- VIII. Jeswanth Maseedu and Syam Kumar P.: Attribute based Range Search over Encrypted Data for Privacy Preserving in Cloud Computing. In: proceedings of 5th International

Conference on Advances in Computing, Communications and Informatics (ICACCI).323-329. IEEE(September, 2018). [10.1109/ICACCI.2018.8554559](https://doi.org/10.1109/ICACCI.2018.8554559)

- IX. Srinivas Gonthireddy, Syam Kumar Pasupuleti.: Secure Big data Deduplication with Dynamic Ownership Management in Cloud Computing. In: proceedings of 3rd International Conference on Advanced Computing and Intelligent Engineering (ICACIE), Dec.20-22. Springer. 2018. pp.249-263.
- X. Tripathi and S. K. Pasupuleti, "A Secure Lightweight Data Aggregation scheme for Cloud assisted IoT," *2018 Fifth International Conference on Parallel, Distributed and Grid Computing (PDGC)*, Solan Himachal Pradesh, India, 2018, pp. 187-192, doi: 10.1109/PDGC.2018.8745850
- XI. Satyanarayana Korrapati, and Syam Kumar Pasupuleti.: Trusted Model for Virtual Machine(VM) Security in Cloud Computing. In: proceedings of International Conference on Computing, Analytics and Networking (ICCAN-2017), AISC, Springer,pp.655-665.
- XII. Gopi Puppula and Syam Kumar Pasupuleti.:Dynamic Risk Assessment using Attack Graph in Cloud. In: proceedings of International Conference on Computing, Analytics and Networking (ICCAN,2017), AISC, Springer. Pp.105-116, 2017
- XIII. Mayank Kumar and Syam Kumar Pasupuleti.: Lightweight Verifiable Auditing Scheme for Outsourced Database in Cloud Computing. In: Proceedings of 14th International Conference on Distributed Computing and Internet Technology (ICDCIT-2018). **LNCS, 280-287.2018..**
- XIV. K. A. Ranjan, S. K. Pasupulati and S. Ramaligam, "Privacy-preserving multi-keyword search over the encrypted data for multiple users in cloud computing," *2017 International Conference on Inventive Computing and Informatics (ICICI)*, Coimbatore, 2017, pp. 1079-1084, doi: 10.1109/ICICI.2017.8365306.
- XV. C. Guntuku and S. K. Pasupuleti, "Secure Authentication Scheme for Internet of Things in Cloud," *2018 3rd International Conference On Internet of Things: Smart Innovation and Usages (IoT-SIU)*, Bhimtal, 2018, pp. 1-7, doi: 10.1109/IoT-SIU.2018.8519890.
- XVI. Rao Gudeme, S. Kumar Pasupuleti and R. Kandukuri, "Public Integrity Auditing for Shared Data with Efficient and Secure User Revocation in Cloud Computing," *2018 International Conference On Advances in Communication and Computing Technology (ICACCT)*, Sangamner, 2018, pp. 588-593, doi: 10.1109/ICACCT.2018.8529650
- XVII. P. P. Kumar, P. S. Kumar and P. J. A. Alphonse, "An Efficient Ciphertext Policy-Attribute Based Encryption for Big Data Access Control in Cloud Computing," *2017 Ninth International Conference on Advanced Computing (ICoAC)*, Chennai, 2017, pp. 114-120, doi: 10.1109/ICoAC.2017.8441507
- XVIII. Anirudha Pratap Singh and Syam Kumar Pasupuleti, "Optimized Public Auditing and Data Dynamics for Data Storage Security in Cloud Computing“, Proc. of 6th International Conference on Advances in Computing and Communications (ICACC-2016), Kochin,

- XIX. S. Ahmad and P. S. Kumar, "An efficient privacy-preserving multi-keyword ranked search over encrypted data in cloud computing," *2016 IEEE Annual India Conference (INDICON)*, Bangalore, 2016, pp. 1-6, doi: 10.1109/INDICON.2016.7838916
- XX. Sonu Pratap Singh, Syam Kumar pasupuleti, "A Privacy-Preserving Multi-keyword Ranked Search Scheme over Encrypted Cloud Data using MIR-tree, proc.of CAST-2016, Pune Engineering College, **Pune, 2016, pp. 533-538, doi: 10.1109/CAST.2016.7915026.**
- XXI. Sourab Bhagat, Syam kumar Pasupuleti, "Simulated Raindrop Algorithm to Mitigate DDoS Attacks in Cloud Computing". Proceedings of the Sixth International Conference on Computer and Communication Technology 2015 (ICCCT '15), ACM, pp. 412-418, September-2015. <https://doi.org/10.1145/2818567.2818684>
- XXII. A. R. Malviya and P. S. Kumar, "On security of data storage in cloud computing via exact regenerating code," *International Conference on Computing, Communication & Automation*, Noida, 2015, pp. 577-583, doi: 10.1109/CCAA.2015.7148474
- XXIII. S. Kumar and Syam Kumar P, "Secure and efficient design and implementation of out-of-band storage virtualization," *2015 IEEE International Advance Computing Conference (IACC)*, Bangalore, 2015, pp. 1021-1025, doi: 10.1109/IADCC.2015.7154859

Book Chapters

- I. Dr. P. Syam Kumar and Dheerendra Varma, Lightweight ciphertext-policy attribute-based encryption scheme for data privacy and security in cloud-assisted IoT. Real-Time Data Analytics for Large Scale Sensor Data, 2020. Vo.6. pp.97-114. <https://doi.org/10.1016/B978-0-12-818014-3.00005-X>
- II. **Ramesh Dharavath, Syam Kumar Pasupuleti, A Novel AckIBE-Based Secure Cloud Data Management Framework, Book title: Handbook of Computer Networks and Cyber Security, Chapter 2(2019), Springer.pp.91-110.**
- III. Premkamal, P.K., Pasupuleti, S.K. & Alphonse, P.J.A, Efficient Ciphertext-Policy Attribute-Based Signcryption for Secure Big Data Storage in Cloud, Book title: IET Handbook of Big Data Analytics, Chapter 1(2020).