Journals

1. Kumar, Siddheshwar, Shashank Srivastava, and **Shashwati Banerjea**. "Fortifying vision models: A comprehensive survey of defences against adversarial examples." *Applied Soft Computing* (2025): 113874. **(SCIE IF: 6.6)**

2. Arora, Riya, GV Eswara Rao, **Shashwati Banerjea**, and Bakthula Rajitha. "MLDC: multi-lung disease classification using quantum classifier and artificial neural networks." *Neural Computing and Applications* 36, no. 7 (2024): 3803-3816**. SCIE IF: 6.00)**

3. Acharya, Utsav, **Shashwati Banerjea**, and Rajitha B. "SRC_2: a novel deep learning based technique for identifying COVID-19 using images of chest x-ray." *Multimedia Tools and Applications* 83, no. 14 (2024): 40773-40790. (**SCIE IF: 3.6)**

4. Kumar, Akhilesh, **Shashwati Banerjea**, and Mayank Pandey. "Churn-tolerant CDN at the edge for adaptive video streaming: towards multi-connection approach using HTTP/2." *International Journal of Information Technology* 15, no. 7 (2023): 3491-3497. **(Scopus indexed)**

5. Kumar, Akhilesh, **Shashwati Banerjea**, and Mayank Pandey. "A churn-tolerant P2P CDN at the edge for video content delivery." *SN Computer Science* 4, no. 5 (2023): 541. **(Scopus indexed)**

6. Gore, Rajasi, **Shashwati Banerjea**, and Neeraj Tyagi. "An event-driven fusion framework with auto-scaling of edge intelligence for resilient smart applications in developing countries." *Transactions on Emerging Telecommunications Technologies* 34, no. 8 (2023): e4804 **(SCIE IF: 2,5)**.

7. Gore, Rajasi, **Shashwati Banerjea**, and Neeraj Tyagi. "A heterogeneous soft-hard fusion framework on fog based private SaS model for smart monitoring of public restrooms." *Journal of Ambient Intelligence and Humanized Computing* 14, no. 7 (2023): 8957-8984.. (**SCIE IF:7.104)**

8. Kumar, Akhilesh, **Shashwati Banerjea**, Rishabh Jain, and Mayank Pandey. "Software-defined content delivery network at the edge for adaptive video streaming." *International Journal of Network Management* 32, no. 6 (2022): e2210.. **(SCIE, IF: 1.914)**

9. Singh, Ashutosh Kumar, Shashank Srivastava, and **Shashwati Banerjea**. "Evaluating heuristic techniques as a solution of controller placement problem in SDN." *Journal of Ambient Intelligence and Humanized Computing* 14, no. 9 (2023): 11729-11746. 8 **(SCIE IF:7.104)**

10. **Banerjea, Shashwati**, Mayank Pandey, M. M. Gore, and Ashish Kumar. "Publish/subscribe-based p2p-cloud of underutilized computing resources for providing computation-as-a-service." *Proceedings of the National Academy of Sciences, India Section A: Physical Sciences* 91, no. 2 (2021): 383-392. **(SCIE, IF: 1.544)**

Conferences

1. Dhake, Mandar, Shaijal Tripathi, Amitangshu Pal, **Shashwati Banerjea**, and Rakesh Yamjala. "LRHAR: A Lightweight Rule-based Framework for Human Activity Recognition at the Edge." In 2025 21st International Conference on Distributed Computing in Smart Systems and the Internet of Things (DCOSS-IoT), pp. 51-60. IEEE, 2025.

2. Bisht, Divyansh, Amitangshu Pal, and **Shashwati Banerjea**. "VKM: A virtual keyboard and mouse solution towards a lightweight computing system." In *2024 20th International Conference on Distributed Computing in Smart Systems and the Internet of Things (DCOSS-IoT)*, pp. 254-258. IEEE, 2024.

3. Ghosh, Debjani, **Shashwati Banerjea**, Mayank Pandey, Akash Anand, and Satya Sankalp Gautam. "Reducing Start-Up Delay During Churn in P2P Tree-Based Video Streaming System Using Probabilistic Model Checking." In *International Conference on Artificial Intelligence and Sustainable Engineering: Select Proceedings of AISE 2020, Volume 2*, pp. 199-217. Singapore: Springer Singapore, 2022.

4. Gore, Rajasi, **Shashwati Banerjea**, and Neeraj Tyagi. "Adaptive Neuro-Fuzzy Inference System-Based Information Fusion Model for Smart Monitoring of Public Amenities." In *Soft Computing for Problem Solving: Proceedings of SocProS 2020, Volume 2*, pp. 409-421. Singapore: Springer Singapore, 2021.

5. Gore, Rajasi, **Shashwati Banerjea**, Neeraj Tyagi, Sanu Saurav, Deepesh Acharya, and Vishesh Verma. "An efficient edge analytical model on Docker containers for automated monitoring of public restrooms in India." In *2020 IEEE International Conference on Advanced Networks and Telecommunications Systems (ANTS)*, pp. 1-6. IEEE, 2020.

6. Ali, Shabir, **Shashwati Banerjea**, Mayank Pandey, and Neeraj Tyagi. "Towards DHT-Based P2P Resource Sharing Over Hybrid Infrastructure of Wireless Mesh Network and Mobile Ad hoc Networks." In *Computing and Network Sustainability: Proceedings of IRSCNS 2018*, pp. 147-155. Singapore: Springer Singapore, 2019.

7. Ali, Shabir, **Shashwati Banerjea**, Mayank Pandey, and Neeraj Tyagi. "Wireless Fog-Mesh: A Communication and Computation Infrastructure for IoT." In *Mobile, Secure, and Programmable Networking: 4th International Conference, MSPN 2018, Paris, France, June 18-20, 2018, Revised Selected Papers*, vol. 11005, p. 322. Springer, 2019.

8. **Banerjea, Shashwati**, Mayank Pandey, and Manoj Madhava Gore. "Towards peer-to-peer solution for utilization of volunteer resources to provide computation-as-a-service." In *2016 IEEE 30th International Conference on Advanced Information Networking and Applications (AINA)*, pp. 1146-1153. IEEE, 2016.

9. **Banerjea, Shashwati**, Mayank Pandey, Ashish Kumar, Rishabh Dugar, and M. M. Gore. "Implementation of MapReduce over structured peer-to-peer overlay of underutilized resources." In *2016 IEEE International Conference on Advanced Networks and Telecommunications Systems (ANTS)*, pp. 1-6. IEEE, 2016.

10. Bhushan, Mayank, **Shashwati Banerjea**, and Sumit Kumar Yadav. "Bloom filter based optimization on HBase with MapReduce." In *2014 International Conference on Data Mining and Intelligent Computing (ICDMIC)*, pp. 1-5. IEEE, 2014.

Book Chapters

1. **Banerjea, Shashwati,** and Shashank Srivastava. "Distributed Denial of Service Attacks in SDN Context." In *Software-Defined Networking for Future Internet Technology*, pp. 57-88. Apple Academic Press, 2021.

2. **Banerjea, Shashwati,** Shashank Srivastava, and Sachin Kumar. "Data security in the internet of things: Challenges and opportunities." *Big Data Analytics for Internet of Things* (2021): 265-284.