

Jyotirmoy Sarkar

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Research Interests

Machine Learning, Mathematical modeling, Predictive Analysis

Education

Year	Degree & Institution	CGPA/Percentage
2016- Present	Ph.D Student , Birla Institute of Technology and Science, K K Birla Goa campus, CSIS	
2015	M. Tech in Software Systems , Birla Institute of Technology and Science, Pilani, Rajasthan	7.42/10
2011	B. Tech in Computer Science & Engineering , Government College of Engineering & Leather Technology, Kolkata, West Bengal	8.11/10
2007	HS , Jenkins School, Cooch Behar, West Bengal	74.4
2005	Madhyamik , Jenkins School, Cooch Behar, West Bengal	91.37

Computer Skills

Programming Languages & Tools: MATLAB, LaTeX, JAVA, SQL, Python

Publications

- An Efficient Use of Principal Component Analysis in Workload Characterization-A Study, Jyotirmoy Sarkar, Snehanshu Saha, Surbhi Agrawal-2014 AASRI Procedia, Conference on Sports Engineering and Computer Science (SECS 2014)
- A Novel Revenue Optimization Model to address the operation and maintenance cost of a Data Center, Snehanshu Saha, Jyotirmoy Sarkar, Avantika Dwivedi, Nandita Dwivedi, Anand MN and Ranjan Roy, Journal of Cloud Computing, Springer(2016)

- CD-SFA: Stochastic Frontier analysis approach to revenue modelling in large cloud data centres, Jyotirmoy Sarkar, Bidisha Goswami, Snehanshu Saha and Saibal Kar, International Journal of Communication Networks and Distributed Systems (2018).
- ALVEC: Auto-scaling by Lotka Volterra Elastic Cloud: A QoS aware Non Linear Dynamical Allocation Model; Bidisha Goswami, Jyotirmoy Sarkar, Snehanshu Saha, Saibal Kar, Poulami Sarkar, Simulation Modelling Practice and Theory (2018).
- d-BTAI: the dynamic-Binary Tree Based Anomaly Identification Algorithm for Industrial Systems. Jyotirmoy Sarkar, Santonu Sarkar, Snehanshu Saha and Swagatam Das. 34th IEEE International Conference on Industrial, Engineering Other Applications of Applied Intelligent Systems (IEA/AIE) (2021) Accepted.

Experience

- Senior Software Engineer at GE Healthcare, 8/2014-present
 - Software Engineer at Tech Mahindra, 2/2012-7/2014
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