

SAIKAT SARKAR

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CURRENT POSITION

Assistant Professor

Department of Computer Science

Bangabasi College, 19, Rajkumar Chakraborty Sarani, Kolkata-700009

November 2016 - Present

QUALIFICATIONS

Doctor of Philosophy (Ph. D.) in Computer Science, pursuing

Thesis submitted

University of Calcutta, Kolkata, India

August 2016 - Present

Master of Science (M. Sc.) in Computer Science

Banaras Hindu University (BHU), Varanasi, India

July 2011 - June 2013

SGPA: 8.77

Bachelor of Science (B. Sc.) in Computer Science

University of Calcutta, Kolkata, India

July 2008 - June 2011

Overall Percentage: 75.87 %

ADDITIONAL QUALIFICATION

UGC NET Junior Research Fellowship (JRF), 2014

WORK EXPERIENCE

Associate, Cognizant Technology Solutions (CTS), India

August 2013 - July 2016

PUBLICATIONS (JOURNALS)

Saikat Sarkar, Spandan Basu, Angshuman Paul and D. P. Mukherjee, "ViViD: View Prediction of Online Video Through Deep Neural Network-Based Analysis of Subjective Video Attributes", IEEE Transactions on Broadcasting, vol. 69, p. 191–200, 2023.

Saikat Sarkar, D. P. Mukherjee and A. Chakrabarti, "Reinforcement Learning for Pass Detection and Generation of Possession Statistics in Soccer", IEEE Transactions on Cognitive and Developmental Systems, 2022.

Saikat Sarkar, D. P. Mukherjee and A. Chakrabarti, "From soccer video to ball possession statistics", Pattern Recognition, vol. 122, p. 108338, 2022.

T. N. Mishra, **Saikat Sarkar**, K. N. Rai, "Numerical solution of dual-phase-lagging heat conduction model for analyzing overshooting phenomenon", Applied Mathematics and Computation, Elsevier, pages 693-708, 2014

PUBLICATIONS (CONFERENCES)

Saikat Sarkar, D. P. Mukherjee and A. Chakrabarti, "Watch and Act: Dual Interacting Agents for Automatic Generation of Possession Statistics in Soccer", in Proceedings of the IEEE Conference on Computer Vision and Pattern Recognition Workshops (CVPR), IEEE, 2022.

Saikat Sarkar, S. Ali and A. Chakrabarti, "Shot Classification and Replay Detection in Broadcast Soccer Video", in Advanced Computing and Systems for Security (ACSS), pages 57–66, Springer, 2020.

Saikat Sarkar, A. Chakrabarti and D. P. Mukherjee "Generation of Ball Possession Statistics in Soccer Using Minimum-Cost Flow Network", in Proceedings of the IEEE Conference on Computer Vision and Pattern Recognition Workshops (CVPR), IEEE, 2019.

Saikat Sarkar, A. Chakrabarti and D. P. Mukherjee "Estimation of Ball Possession Statistics in Soccer Video", in Proceedings of the 11th Indian Conference on Computer Vision Graphics and Image Processing (ICVGIP), ACM, 2018.

RESEARCH ACTIVITIES

Reviewer: IEEE Transactions on Multimedia, IEEE *Since 2022*

Reviewer: Sadhana - Academy Proc. in Engineering Science, Springer *Since 2014*

RESEARCH INTERESTS

Computer Vision, Machine Learning, Image Processing, Deep Learning

PROGRAMMING SKILLS

Python, Matlab, Tensorflow, Keras, PyTorch, OpenCV, C#, C++, C, SharePoint2010