Gautam Shroff

Vice President, Chief Scientist and Head, TCS Research

TCS Research and Innovation

Dr. Gautam Shroff is a Vice President and Chief Scientist in TCS and heads TCS Research across all research areas spanning software, computing, security data science, artificial intelligence as well as life sciences, materials and behavioural sciences.

Education

- PhD in Computer Science, Rensselaer Polytechnic Institute, Troy, NY, USA - 1990
- MS in Electrical and Computer Engineering, Rensselaer Polytechnic Institute, Troy, NY, USA - 1989
- BTECH in Electrical Engineering, Indian Institute of Technology, Kanpur, India - 1985

Teaching

- 2012+ On Coursera: Web Intelligence and Big Data: Fall & Spring of '12 & '13, Spring '14 - 1/4 of a project course on Big Data Analytics at IIIT Delhi
- '91-2000 At Indian Institute of Technology Delhi: Numerical Analysis, Scientific Computing, Parallel Computing, Systems Software, Software Engineering

Publications:

Dr. Shroff has published 90 research papers in the areas of computational mathematics, parallel computation, distributed systems, software architecture, software engineering, data science, artificial intelligence and machine learning.

Books:

- "The Intelligent Web: Search, Smart Algorithms, and Big Data", Oxford University Press, November 2013 (Paperback edition, June 2015)
- "Enterprise Cloud Computing: Technology, Architectures, Applications", Cambridge University Press, October 2010

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Awards/Honors

- 'Young Scientist Award from the Indian Department of Atomic Energy In 1994

Membership

- Dr. Shroff is an active member of ACM and ACM-India, and has served on the ACM India Council and was the founding chair of the ACM-India SIG on Knowledge Discovery from Data (IKDD), which is also the India chapter of ACM SIGKDD. He has also served on the senate and as adjunct professor at the IIIT Delhi. He was also a member of the AI Task Force constituted in 2017 by the Ministry of Commerce & Industry in the Government of India.

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