

Resume'

Name : ARUN KUMAR MAJUMDAR
Date of Birth : July 1, 1948
Citizenship : INDIA
Designation : Professor
Computer Science and Engineering Department
Indian Institute of Technology, Kharagpur

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Work Experience:

Professor, Computer Science and Engineering Department, Indian Institute of Technology, Kharagpur, from 1984 till superannuation in June 2013. Re-employed as Professor from July 2013 and continuing till date.

Joined IIT Kharagpur as an Assistant Professor in the Electronics and Electrical Communication Engineering Department in 1980.

With leave from IIT Kharagpur, served as a Visiting Professor in the University of Guelph, Ontario, Canada in 1986-87, and in the George Mason University, Fairfax, Virginia, USA, in the summer of 1999 and 2006.

Earlier, worked in the Indian Statistical Institute, Calcutta (1977-78), and Jawaharlal Nehru University, New Delhi, (1978-1980) as a faculty member.

Administrative Experience:

Deputy Director, Indian Institute of Technology, from July, 2009 to August 2012. Responsible for General Administration of the Institute.

Dean (Faculty and Planning), IIT Kharagpur : from March 2002 to February 2005. Was involved in faculty recruitment and all faculty related matters. Also took leading role in planning and development.

Head of the Computer Science and Engineering Department, IIT Kharagpur : from 1992 to 1995 and again from 1998 to May 2001. Was involved in curriculum and laboratory development, regular departmental administration and several project executions.

Head, School of Medical Science and Technology, IIT Kharagpur: from August 2005 to August 2006.. Besides regular administrative work, was involved in curricular development and setting up laboratories in the School in its formative year.

Head of Computer and Informatics Center, IIT Kharagpur: from 1998 to 2002. Took part in expanding Institute campus local area network and setting up the computing infrastructure.

Education:

B. SC. (Honours) in Physics from Presidency College, Calcutta University, 1965.
B. Tech, M. Tech and Ph. D degrees in Applied Physics from the University of Calcutta in 1967, 1968 and 1973, respectively.

A second Ph. D. degree in Electrical Engineering from the University of Florida, Gainesville, U. S. A., in 1976.

Professional/ Society Membership :

Fellow **Indian National Academy of Engineering**
Member Governing Council of INAE (from 2003 – 2006).
Fellow **Institution of Engineers (India)**
Senior Member(Life) **I. E. E. E. (U. S. A.)**

Research Interest:

- Data and Knowledge based Systems
- Image Processing and Multimedia Systems
- Information Systems Analysis and Design
- Medical Informatics and Decision Support Systems
- VLSI Design Automation

Number of Ph. D. Theses Supervised : 15

Number of Research Publications (see Annexure) : in

Journals	- 81
Edited volumes	- 14
Conferences	- 125
Books	- 1

Conferences Organized or Served as General /Program Committee Member/Chair, Technical Sessions Chair:

International Conference on Information Systems Security 2005 – 2009, 2011, Indian Conference on Computer Vision and Image Processing (ICVGIP) 2008, Indian Conference on Medical Informatics and Telemedicine (ICMIT2006), International Conference on Management of Data (COMAD), IEEE Motion 2005 Workshop, International Conference on Pattern Recognition and Machine Intelligence 2005, International Conference on VLSI Design 1994, International Conference on Advances in Pattern Recognition and Digital Techniques, International Conference on Conceptual Modeling, International Conference on Information Systems and Management of Data, International Conference on Data Engineering (ICDE – 2002), National Conference on Object Oriented Technology (NCOOT –2002), International Conference on Information Systems and Management of Data (CISMOD) 1992 and 1993, National Telemedicine Conference, Indo-French Workshop, , etc.

Reviewer of Journals:

Served as reviewers of research contributions of several international journals such as - IEEE Transactions on Computer, IEEE Transactions on Knowledge and Data Engineering, IEEE Transactions on Fuzzy Sets and Systems, IEEE Transactions on Neural Networks, IEEE Computer, ACM Transactions on Database Systems, ACTA Informatica, Information Science, IEE Proceedings, Electronics Letters, JIETE, Computer Science and Informatics, etc.

Invited Lectures Delivered in India and abroad:

Indian Statistical Institute, Calcutta, Department of Radio Physics and Electronics, University of Calcutta, Computer Society of India Annual Convention, Indian Institute of Technology, Madras, Institute of Technology, Guwahati, Andhra University, Microsoft Research, Redmond, U.S.A., HP Laboratory, Pal Alto, California, George Mason University, Fairfax, Virginia, U. S.A., University of Iowa, Iowa City, U.S.A., University of Guelph, Ontario, Canada, University of Windsor, Ontario, Canada, INRIA, France, University of South Carolina, Columbia, South Carolina, U.S.A., West Virginia University, Morgantown, West Virginia, U. S. A., Southern Methodist University, Dallas, Texas, U. S. A., etc.

Principal Investigator of Sponsored Projects:

In recent years successfully handled several research projects sponsored by the Ministry of Communication and Information Technology, Govt of India, Defense Research Development Organization (DRDO), Govt of India, Department of Science and Technology (DST), Govt of India, Ministry of Human Resource Development, Govt of India, AICTE. The telemedicine system (TELEMEDIK) developed under a project sponsored by Ministry of Communication and Information Technology, Govt of India, has been successfully implemented and is being currently used in several hospitals in West Bengal and Tripura and has received number of national awards such as “ *National Award For Exemplary Implementation of E-Governance Initiative-2004 on Telemedicine Project in West Bengal*” from Govt. of India, and “*Skotch Challenger Award 2005*”.

In addition to research projects, have successfully completed (and some are on going) several consultancy projects sponsored by public and private sector organizations like Allahabad Bank, UCO Bank, Orissa State Cooperative Bank, Calcutta Stock Exchange, M. N. Dastur and Co., Bridge & Roof Co. West Bengal State Electricity Distribution Co. Ltd., North Eastern Electric Power Co., etc.

Academic Services Rendered to other Institutions / Universities / Organizations:

Was a member of the Governing Council of The Indian National Academy of Engineering (INAE) from 2003-2006, and earlier as a member of the Sectional Committee on Computer Science and Engineering of INAE. Currently, Chairman of the Local Chapter of INAE.

Served as a member of the Board of Studies of Computer Science Program of several academic institutions such as REC Rourkela, Burdwan University, B. E. College, Shibpur. Was invited to be a member of faculty Selection Committees of several Universities and Institutions such as IIT Bombay, Kanpur, Guwahati,

Madras, Jadavpur University, Calcutta University, BESU, Shibpur, etc. and an expert member of Accreditation Committees of AICTE.

Took active part as a member of the Standardization Committee of the Ministry of Information Technology, Gov't of India, on Telemedicine, and as a member of the Working Group on Medical Electronics and Telemedicine of the Ministry of Information Technology, Gov't of India. Currently Chairman of the Project Review and Steering Group of number of projects sponsored by Dept. of Information Technology, Gov't of India in the areas of Medical Informatics and Information Security.

A member of the IT Academic Council of the Department of Information Technology, Gov't of West Bengal and a member of the Technical Committee of Gov't of the West Bengal for implementation of state wide computer network(SWAN) in West Bengal. A member of the Board of Governors of West Bengal Electronic Industry Development Corporation(WBEIDC), Gov't of West Bengal