

## RESUME



**1. Name:** A.R. MOHAMED SHANAVAS

**2. Date of Birth:** 06 – 06 – 1966

**3. Address :**

**Residential:**

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Crescent Nagar  
Khajamalai,  
Trichy – 620 023.

**Office:**

Associate Professor  
Department of Computer Science  
Jamal Mohamed College  
Trichy – 620 020.

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**4. Designation:** Associate Professor of Computer Science

**5. Educational Qualifications:** M.Sc.,PGDCA.,M.Ed.,M.Phil,Ph.D.,

Examination Passed	Year
M.Sc	1988
PGDCA	1989
M.Phil	1997
M.Ed	1992
Ph.D	2010

**6. Teaching Experience:** Undergraduate: 25  
Postgraduate: 25  
M.Phil: 17

**7. Areas of Specialization:** Computer Graphics, Image Processing, Data mining

**8. Languages known:** English, Tamil, Urdu

## 9. Subjects Taught:

### **Undergraduate:**

Computer Organization and Architecture,  
Operating system, Computer Graphics, Database Systems

### **Postgraduate:**

Management Information Systems, Artificial Intelligence and its  
Applications, Multimedia Systems and Design, Software Engg.

### **M.Phil.:**

Mathematical Logic, Software Engineering, Artificial  
Intelligence and its Applications, Digital Image Processing.

## 10. Research Supervision:

<b>Degree:</b>	<b>Thesis Completed</b>	<b>Pursuing</b>
M.Phil.:	40	1
Ph.D.	NIL	7

## 11. Details of Publications:

- Published an article entitled “Image Compression using Karnaugh Map – A Proposed Technique” in Jamal Academic Research Journal – an interdisciplinary (JARJ) Volume 1 No. 2, 2004 Page Nos. 33-38.
- Published an article entitled “Adaptive Audio Steganography” in Indian Journal of Science Arts and Commerce (ISAC) Volume 1, No. 1, 2005 Page Nos. 34 – 37.
- Published an article entitled “Generating Bus Route Description in Natural Language” in Jamal Academic Research Journal – an interdisciplinary (JARJ) Volume 2 No. 1 January – July 2005 Page No. 30-35.
- Published an article entitled “An Interface for Retinal Blood vessel detection and with measurement using sobel operator” in Jamal Academic Research Journal Vol.4. No.1. PP. 43-52.
- Published an article entitled “Face Recognition Using Eye Perturbation Experiments” CiiT International Journal of Biometrics and Bioinformatics ISSN 0974 – 9675 & Online: ISSN 0974 – 956X November 2010.

- Published an article entitled “An Image Mining Technique for Identifying Tuberculosis Meningitis of the Brain” CiiT International Journal of Data Mining Knowledge Engineering ISSN 0974 – 9683 & Online: ISSN 0974 – 9578 June 2011.
- Published an article entitled “Performance Analysis of Under Graduate Students” in CiiT International Journal of Data Mining Knowledge Engineering ISSN 0974 – 9683 & Online: ISSN 0974 – 9578 March 2012.
- Published an article entitled “Performance Analysis of Under Graduate Students” in CiiT International Journal of Data Mining Knowledge Engineering ISSN 0974 – 9683 & Online: ISSN 0974 – 9578 March 2012.
- Published an article entitled “An Effective Heuristic Approach for Hiding Sensitive Patterns in Databases” in IOSR Journal of Computer Engineering (IOSRJCE) ISSN: 2278-0661 Volume 5, Issue 1 (Sep-Oct. 2012), PP 06-11.
- Published an article entitled “ An improved Item- based Max-cover Algorithm to protect Sensitive Patterns in Large Databases ” in IOSR Journal of Computer Engineering (IOSR - JCE) e- ISSN: 2278-0661 p-ISSN: 2278 - 8727 Vol. 14 - Issue 4 (sep-oct 2013) PP 01-05.
- Published an article entitled “Introducing Parallelism in Privacy Preserving Data Mining Algorithms ” in International Journal of Computational Engineering Research ISSN: 2250-3005 Vol. 4 - Issue 2 (Feb - 2014) Page 38.
- Published an article entitled “Object Detection In Image Processing Using Edge Detection Techniques” in IOSR Journal of Engineering (IOSRJEN) e- ISSN: -3021, ISSN (p): 2278-8719 Vol. 4 - Issue 3 (March - 2014) PP 10-13.
- Published an article entitled “Output Privacy Protection With Pattern-Based Heuristic Algorithm ” in International Journal of Computer Science & Information Technology (IJCSIT) ISSN: Vol. 6 - Issue 2 (April - 2014)
- Published an article entitled “ Study and analysis of Placenta images using edge detection approach” in IJSRD pg No. 1579 to 1581 ISSN: 2321 0613 Vol.2 issue 3, 1/06/2014.
- Published an article entitled “Retinal Vessel Tortuosity based on Curvature for Digital Fundus Images” in CiiT International Journal of Digital Image Processing ISSN: Vol. 6 - Issue 5 (June- 2014) PP: 222-227.
- Published an article entitled “Retinal Vessel Tortuosity for Digital Fundus Images ” in CiiT International Journal of Digital Image Processing. ISSN: Pages: 201-204 Vol. 6 - Issue 4 (June - 2014).

- Published an article entitled “ Analysis of adaptive binary optimization for lossless medical image compression ” in International Journal of Engineering Research & Technology e- ISSN: 2278-0181 Vol. 3 - Issue 7 (July - 2014).
- Published an article entitled “A Survey and Study of Image Compression Method” in IOSR Journal of Computer Engineering (IOSR-JCE) e- ISSN: -0661,p-ISSN: 2278-8727 Vol. 16 - Issue 4 (July – Aug. 2014) pp 11-16

## **12. Details of Papers Presented:**

- Presented a paper titled on Data Warehousing at National Conference on Recent Trends in Information Technology at Department of Computer Science and Applications, Hindustan College of Arts, Coimbatore on 24<sup>th</sup> January 2003.
- Presented a paper titled on Option Analysis for Reengineering on UGC Sponsored National Seminar on Software Engineering at Sacred Heart College, Tirupattur on 19<sup>th</sup> and 20<sup>th</sup> July 2003.
- Presented a paper titled on e-Governance on UGC Sponsored National Seminar on Cyber Impact on Society at SRC, Trichy at 11<sup>th</sup> and 12<sup>th</sup> February 2004.
- Presented a paper titled on A proposed technique for Diagnosing Retinal Diseases using Blood vessel detection on State level conference on computer oriented mathematical techniques at Shrimati Indira Gandhi College, Trichy at 10<sup>th</sup> and 11<sup>th</sup> August 2007.
- Presented a paper titled on Interface for Retinal Blood Vessel detection and width measurement on National Conference on “Frontier Research Areas in Computing Sciences”, Bharathidasan University, Trichy-23 at 5<sup>th</sup> and 6<sup>th</sup> October 2007.
- Presented a paper titled on An Interface for optic disk Detection in Retinal Fundus images on First International Conference on Data Engineering and Management at Bishop Heber College ICDEM 2008, Tiruchirappalli at 9<sup>th</sup> February 2008.
- An Interface for Optic Disc Detection in Retinal Fundus images using DIP techniques – First International Conference on Data Engineering and Management, ICDEM 2008, Feb – 2008 Proceedings, pages 369 – 372.

### **13. Details of Seminars / Conferences / Workshops Attended:**

- Participated in UGC Sponsored three day Workshop on Curriculum Development and Evaluation organized by UGC – Academic Staff College, Bharathidasan University, Trichy, conducted at Jamal Mohamed College, Trichy on 2<sup>nd</sup> to 4<sup>th</sup> March, 2006.
- Participated in State Level Technical Symposium on Enterprise Management Software in Indian Context – Issues and Solutions at Department of Information Technology, Bharathidasan University, Trichy on 18<sup>th</sup> March, 2006.
- Participated in State Level Seminar on Recent Trends in IT at Department of Computer Science, Jamal Mohamed College, Trichy on 28<sup>th</sup> March 2006.
- Participated in National Conference on Frontier Research Areas in Computer Science, Bharathidasan University, Trichy on 17<sup>th</sup> and 18<sup>th</sup> August 2006.
- Participated in UGC Sponsored National Level Seminar on Commerce Education in the New Millennium – Challenges & Perspectives at PG & Research Department of Commerce, JMC, Trichy on 14<sup>th</sup> and 15<sup>th</sup> September 2006.
- Participated in International Seminar on Research Directions in Information Technology and Application, Department of Management Studies, NIT, Trichy on 22<sup>nd</sup> December 2006.
- Participated in Second National Seminar on Information Technology, Department of Computer Science, Bharathidasan University, Trichy on 23<sup>rd</sup> and 24<sup>th</sup> February 2007.
- Participated in State Level Workshop on Research Prospects in Data Mining, Department of Computer Science, Jamal Mohamed College, Trichy on 22<sup>nd</sup> March 2007.
- Participated in AICTE Sponsored National Conference On Changing Paradigms in Service Marketing, Jamal Institute of Management, Jamal Mohamed College, Trichy on 23<sup>rd</sup> and 24<sup>th</sup> March 2007.
- Participated in Workshop on “Pattern Recognition”, at Periyar University, Salem on 1<sup>st</sup> September 2007.

### **14. Details of Seminars / Conferences / Workshops Organized:**

- Organised a National Conference on “Advanced Concepts in Computer Science” during September 2010
- Organised a National Conference on “Advanced Concepts in Computer Science” during March 2013.

**15. Details of Study Materials / Books written and published:**

- Prepared Study Materials for BCA and MCA programmes in Operating Systems, Computer Graphics, Database Systems and Systems Analysis and Design.

**16. Details of Chairing as Resource Person:**

- Acted as a Resource person and Chairperson for paper presentation session in First International Conference on Data Engineering and Management at Bishop Heber College ICDEM 2008, Tiruchirappalli on 9<sup>th</sup> February 2008.
- Acted as a Resource person and Chairperson for paper presentation session in national Conference on “Recent Trends in IT” at Dhanalakshmi Srinivasan College, Perambalur on October 2010.
- Acted as a Resource person and Chairperson for paper presentation session in national Conference on “Advanced concepts in IT” at Thanthai Hans Rovers College, Perambalur on Feb 2011.
- Acted as a Resource person in National Conference at National College, Trichy
- Acted as a Resource person in National Conference at Aiman College for Women, Trichy

**17. Country visited:**

- Kingdom of Saudi Arabia during May 2013.