

## RESUME



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

**2. Date of Birth:** 06 – 06 – 1966

**3. Address :**

**Residential:**

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Crescent Nagar  
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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:**  
(years)

Undergraduate:	32
Postgraduate:	32
M.Phil:	24
Ph.D	12

**7. Areas of Specialization:** Computer Graphics, Image Processing, Data mining, Ad-hoc networks

**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:

Degree:	Awarded	Pursuing
M.Phil.:	50	2
Ph.D.	12	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
- Published an article entitled “Feature Correlation Measure Based Real Time Discrimination Prevention with Transactional Data Sets using Social Networks”, in International Journal of Innovative Technology and Exploring Engineering(IJITEE), Volume 8, Issue 12 ,October-2019. ISSN NO: 2278-3075. (SCOPUS INDEXED)
- Published an article entitled “Real Time Feature Convergence Measure for Efficient Discrimination for Transactional Data Set”, in International Journal of Recent Technology and Engineering (IJRTE), Volume-8 Issue-4, November 2019. ISSN: 2277-3878 (SCOPUS INDEXED)

## 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.
- Organised an International Conference on “Advanced Concepts in Computer Science” during December 2019.

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

- Prepared Study Materials for BCA and MCA programmes for the subjects such as Operating Systems, Computer Graphics, Database Systems and Systems Analysis and Design for University of Madras and Bharathidasan University..

### **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 a National Conference at National College, Trichy
- Acted as a Resource person in a National Conference at Aiman College for Women, Trichy
- Acted as a resource person in an one day Webinar on “ Image Processing Using MATLAB” On 30-07-2020 at Aiman College for Women ,Trichy.

### **17. Country visited:**

- Kingdom of Saudi Arabia during May 2013 and 2016