

## Dr. A. H. Shanthakumara

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### Education

	Degree	Year	Institute	Specialization
1	Ph.D	2020	VTU-Belagavi	Secure Archival Storage
2	M.Tech.	2003	SJCE-Mysore	Software Engg
3	B.E.	1999	SJMIT-Chitradurga	CSE

### Professional Experience

	Date (from-to)	Designation	Organization
1	04-06-2008	Asst.Professor	SIT-Tumkur
2	02-09-2003	Lecturer	SIT-Tumkur

*(Please fill in reverse order. Current designation should be at the top)*

### Positions held

Department level coordinators/members: Placement, BOE, BOS, Time table, NBA Criteria, Test, Technical Seminar, Mini and Major projects, etc..

### Affiliations of Professional organizations

- Institution of Engineers (India) [IEI]

### Courses Taught

#### Undergraduate Courses

- Distributed Computing
- Cryptography & Network Security
- Computer Society and Ethics
- Object Oriented Modeling and Design/OOAD
- Software Engineering
- Object Oriented Programming with C++
- Principals of Programming Languages
- Database Management Systems

- Software Architecture
- Problem Solving using Computers/CCP.
- Storage Area Network
- C# and .Net Technologies
- Client Server Computing
- Data Warehouse and Data Mining
- Data Compression
- Operating System
- Foundations of Data Science
- Big Data
- Artificial Intelligence
- Blockchain Technologies
- AI&ML
- Real Time Big Data Analytics

### Postgraduate Courses

- Software Engineering
- Software Process & Architecture
- Database Management Systems
- Multicore Architecture and Programming
- Advanced Operating System
- Advanced Data Structure and Algorithms
- Blockchain

### Research Areas

- Secure storage
- Artificial Intelligence, Machine Learning, Deep Learning
- Blockchain Technology
- Bigdata Analytics

### Publications

#### Journals

- "A novel framework for insurable archival services: a protocol to create secured marketplace for archival services using cloud", Int. J. Advanced Intelligence Paradigms, Inderscience Publishers, Published Online: January 9, 2024, Vol. 26, No. 3-4, pp 267-289, <https://doi.org/10.1504/IJAIP.2023.135863>
- "Archiving as a Service: A Comprehensive reference architecture using cloud computing to monitor and supervise the archive documents from long term point of view", International Journal of Distributed and Cloud Computing (Peer reviewed Biannual journal with Impact Factor: 4.332). ISSN Number: 2321-6840, 7 (1) June 2019, 05-13

## Conference Proceedings

- AVATAR-RETAIL: THE DIGITAL SHOPPING WORLD, 15th International Conference on Advances in Computing, Control, and Telecommunication Technologies, ACT 2024 Hyderabad 21 June 2024 through 22 June 2024 Code 203500 Volume 2, Pages 1420 – 1426 ISBN:979-833130057-9
- Effortless Meeting Analysis Automation, 15th International Conference on Advances in Computing, Control, and Telecommunication Technologies, ACT 2024 Hyderabad 21 June 2024 through 22 June 2024 Code 203500 Volume 2, Pages 1563 – 1568, ISBN: 979-833130057-9
- An Implementation of Blockchain Technology in Combination with IPFS for Crime Evidence Management System “, International Conference on Computer Communication and Informatics (ICCCI), Coimbatore, India, 23-25 January 2023, 10.1109/ICCCI56745.2023.10128414
- A Comparative Analysis of Supervised Classifiers for Detecting Credit Card Frauds, , International Conference on Computer Communication and Informatics (ICCCI), Jan. 25 – 27, 2022, Coimbatore, INDIA, DOI: 10.1109/ICCCI54379.2022.9740796 ; Date of Conference: 25-27 January 2022
- Smart Real-Time Health Monitoring Band Using Machine Learning and IoT, , 2nd International Conference on Smart Electronics and Communication ICOSEC 2021 7-9, October 2021, DOI: 10.1109/ICOSEC51865.2021.9591848 ; ISBN: 978-1-6654-3367-9, Date Added to IEEE Xplore: 15 November 2021
- Implementation of Secure Data Storage in Blockchain with Near-Field Communication Authentication, Proceedings of the Second International Conference on Inventive Research in Computing Applications (ICIRCA-2020) IEEE Xplore Part Number: CFP20N67-ART; ISBN: 978-1-7281-5374-2
- A Survey on Privacy Preserving Schemes in cloud computing” 4th International Conference on Communication and Electronics Systems(ICCES 2019), July 2019
- A comprehensive reference architecture for re-encryption based archival system with insurability services” Second International Conference On Emerging Computation And Information Technologies( ICECIT 2017) SIT-Tumkur, 15th and 16th December 2017
- A novel archival system with dynamically balanced security, reliability and availability,” 2016 International Conference on Computation System and Information Technology for Sustainable Solutions (CSITSS), Bangalore, 2016, pp. 27-33. doi:10.1109/CSITSS.2016.7779435
- “Feature Based Image Matching For Airborne Platform, International Conference on Computer Science and Mechanical Engineering, 10th August 2014, Jaipur, India, ISBN: 978-93-84209-42-1

- Reduction of Energy Consumption Using Partial Networking in Automotive E/E Architectures, International Conference on Recent Trend in Electrical and Electronics Engineering RTEEE - 2013 | ISBN: 978-93-83060-06-1
- User Interface Design For Management Of The Network Elements Using Dojo, international Conference on Electrical Engineering and Computer Science (ICEECS) ISSN 2320 – 6632, Vol-1, Iss-2, 2013, page: 77-81
- Localization Of Server Nodes Using Flooding In Wireless Sensor Networks, ObCom 2011: International conference At VIT- Vellore, Springer-Verlag Berlin Heidelberg 2012

#### Book Chapters

- “Techniques to Certify Integrity and Proof of Existence for a Periodical Re-encryption-Based Long-Term Archival Systems”, Proceedings of International Symposium on Sensor Networks, Systems and Security, ISSNSS 2017. Verlag: Springer International Publishing, 2018.