UMMAL SARIBA BEGUM.T

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Objective

To acquire a position that gives meopportunities to accept the challenges, create ideas in an organization where I can get maximum exposure, where I can feel to be a part of the organization.

Educational Qualification

- Cleared **State Eligibility Test (SET)** from Bharathiar University, Coimbatore on Oct 2012.

- **M. Phil (CS)- 91**% **(Distinction)** from **Periyar University**, Salam, 2009-2010.

- **M.Sc., (CS&IT) – 85% (Distinction)** from **Fatima College** (Autonomous)Madurai affiliated to Madurai Kamarajar University, 2007-2009.

- **B. Sc., (Computer Science**) - **80% (Distinction)** from **Fatima College** (Autonomous) Madurai affiliated to Madurai Kamarajar University, 2004-2007.

- **H.S.C – 87.4% (Distinction**) from **St. Justin's Girls Hr. Sec. School**, Sivagangai, 2003-2004.

- **S.S.L.C–92% (Distinction)**from **St. Justin's Girls Hr. Sec. School**, Sivagangai, 2013-2002

Professional Experience (7yrs teaching+3 yrs research)

1. Working as an Assistant Professor **at Tagore College of Arts and Science**, Chrompet, Chennai**(Two years From 2.1.2020 to 30.11.2021)**

2. **Thanthai Hans Roever College of Arts and Science, Perambalur-621212 (Five years from 19.6.2013 to 31.7.2018)**

   - Worked as an Assistant Professor in School of Computer Science (Handling computer science papers for CS, IT&various departments)

3. **Government Arts College, Trichirapalli - 22. (Three years from 9.4.2010 to 9.4.2013)**

   - Worked as an **UGC Research Fellow** in a Major Research Project (File No. F-38-258/2009 (SR) Dated: 19.12.2009) entitled "**Design and Analysis of Fingerprint based Biometric EVM**" Funded by UGC under the Project Investigator Dr. D.

Ashok Kumar, Asst. Prof and HOD of Computer Science, Government Arts College, Trichy-22.

Achievements

- Awarded **University First Rank (Gold Medal)** in **M.Phil (CS).**
- Awarded **First Rank** in **M.Sc (CS&IT).**
- Awarded **FirstPlace** in Tamil in **B.Sc (CS).**
- **School topper** in TamilNadu Muslim Association in X Std.
- One of the **School topper** in Maths and Social Science in X Std.

RESEARCH DEVELOPMENT

Interested Research Areas: Artificial Intelligence, Internet of Things, Cloud and Edge computing, Data Mining, Biometrics and Image processing.

Research Guidance

- Serving as a Research Guide in Bharathidasan University from 22.7.2013. Guided **13M.Phil (CS) Regular Students** in the field of Computational Intelligence and Biometrics at Thanthai Hans Roever College, affiliated to Bharathidasan University, Perambalur. (Guideship ref no: 24128/M.Phil/RA/CS/2013/ Date: 22.7.2013).

Publications

- D. Ashok Kumar, **T. Ummal Sariba Begum**, "A Novel design of Electronic Voting System Using Fingerprint", International Journal of Innovative Technology & Creative Engineering (ISSN: 2045-8711), Global Impact Factor: Ummal0.499, Vol.1, No.1 January 2011, pages:12-19.

- D. Ashok Kumar, **T. Ummal Sariba Begum**, "Electronic Voting Machine – A Review", International Conference on Pattern Recognition Informatics and Medical Engineering (PRIME), ISBN: 978-1-4673-1037-6Indexed by Scopus, Digital Object Identifier: 10.1109/ICPRIME.2012.6208285 Publication Year: 2012, Page(s): 41 – 48, IEEE Conference Publications.

- D. Ashok Kumar, **T. Ummal Sariba Begum**, M.C. Loraine Charlet Annie, "Computational time factor analysis of K-means algorithm on actual and transformed data clustering ", International Conference on Pattern Recognition Informatics and Medical Engineering (PRIME), ISBN: 978-1-4673-1037-6Indexed by Scopus, Digital Object Identifier: 10.1109/ICPRIME.2012.6208286, Publication Year: 2012, Page(s): 49 – 54,IEEE Conference Publications.

- D. Ashok Kumar, **T. Ummal Sariba Begum**, "A Comparative Study on Fingerprint Matching Algorithms for EVM", Journal of Computer Science and Applications, H Index-7, ISSN: 2231-1270, Vol.1, No.4,pp: 55-60, 2013.

- **T.Ummal Sariba Begum**,C.Revathi, "Synthesis the Ocular Images on Iris Recognition by Using LDA Techniques", International Journal of Computer Science and Mobile Computing, ISSN:2320-088X, Impact Factor: 2.8,Vol 3.,Issue 11, pp:10-20,November 2014.

- ARULESAN .A, **UMMAL SARIBA BEGUM .T** "Development of Multiple Hand Based Biometrics using Multi-resolution Framework" ,international journal of inventions in computer science and engineering, volume 3 issue 9 sep 2016, Copyright © 201x Inderscience Enterprises Ltd. Pg.no-13-23

- Ranjith Kumar R. and **T.Ummal Sariba Begum**, "AN IRIS-BASED BIOMETRIC IDENTIFICATION SYSTEM USING PSO", International journal of science and computational intelligence, Volume 3 Issue I sep 2016, PP: 19-28

- **T UMMAL. SARIBA BEGUM**, VISWANATHAN S, "HAND-BASED BIOMETRICS RECOGNITION USING DISTANCE MEASURES", journal of recent research in engineering and technology , 3(9), Sep 2016, pp 15-21 ISSN(Online): 2349-2252, ISSN(Print):2349-2260 ©Bonfay publications 2017.

- K.Ramaraj, **T.Ummal Sariba Begum,** "Graph Geometric Approach and Bow Region Based FingerKnuckle Biometric Identification System", Journal of Recent Research in Engineering and TechnologyISSN (Online): 2349 –2252, ISSN (Print):2349-2260.Volume 4Issue 9Jan2017,pp: 41-45.

- T.Gowtham and **T.Ummal Sariba Begum**, "RAPID SEGMENT ANALYSIS FEATURE TRANSFORM FOR EAR BASED IDENTIFICATION SYSTEM", International Journal of Scientific and Computational Intelligence,Volume 4Issue2Jun2017.

- S.Sahul Hameed, and **T.Ummal Sariba Begum**, "Partial Face Recognition Techniques Using Artificial Neural Networks", international journal of inventions in computer science and engineering volume 4 issue 6 aug 2017.*Pp: 11-15*

- Dr.J.Esther, T.Ummal Sariba Begum, "Exploration of EEG Based Classification Using Imagined Motor Movements" Materials today Proceedings,https://doi.org/10.1016/j.matpr.2020.10.763, 2214-7853/©2020 Elsevier Ltd.

Conferences Participated

- D. Ashok Kumar, K. Thangavel, **T. Ummal Sariba Begum**, " A Study on Enhanced Fingerprint based Electronic Voting System using Minutiae", In

proceedings of the International Conference on ORSI and ORURD, Dec 15-17,2010 pp : 90.

- D. Ashok Kumar, **T. Ummal Sariba Begum**, " The participation of Advanced Technologies in Computer for Rural Development", In proceedings of the National Confrence on XI TamilNadu Science Congress, Gandhigram Rural University, PP:51,June-26,27 2011.

- D. Ashok Kumar, **T. Ummal Sariba Begum**, "Embedded Toy Making for Rural Youth Self Employment", In proceedings of the National Conference on XI TamilNadu Science Congress, Gandhigram Rural University, PP:53,June-26,27 2011.

- D. Ashok Kumar, **T. Ummal Sariba Begum**, "Very Large Voting Verification using a Novel Electronic Voting System", In Proceedings of the National Conference On Signal &Image Processing (NCSIP-2012),ISBN: 978-93-81361-90-0,PP: 358-363, Feb 10-11, 2012.

- D. Ashok Kumar, **T. Ummal Sariba Begum**, M.C. Loraine Charlet Annie, "Time Optimum Analysis of K-means algorithm on Original and Transformed Data Clustering", International Conference on Pattern Recognition Informatics and Medical Engineering (PRIME), Periyar University, Salem, ISBN: 978-1-4673-1039-0/12/$31.00 ©2012 IEEE**,** PP: 49-54,March 21-23, 2012.

- Ashok Kumar, **T. UmmalSariba Begum**, "Electronic Voting Machine – A Review", International Conference on Pattern Recognition Informatics and Medical Engineering (PRIME), Periyar University, Salem, ISBN: 978-1-4673-1039-0/12/$31.00 ©2012 IEEE**,** PP: 41-48,March 21-23, 2012.

- **T. Ummal Sariba Begum**, "A Comparative Study on Fingerprint Matching algorithm", National Level conference on High performance Computing, Thanthai Hans Roever college, Perambalur, 31st march 2012.

- **T. Ummal Sariba Begum**, "Rapid Segment Analysis Feature Transform for Ear Based Identification System", National conference on Rising trends in Mathematical Analysis and Computing Technologies", Sri Malolan College of Arts and Science, Maduranthakam, Chennai, 7th February 2020.

Workshops & Seminar

- State level Seminar on "Empowerment of Women" organized by AICUF, Fatima College, Madurai during 2004-2006.

- Seminar on "Data Mining for Industrial Applications" Organized by Kongu Engineering College, Perundurai, Erode.

- National workshop on "Computational Methodologies in Statistics (NWCMS)" at Department of Statistics, Pondicherry University, Puducherry on January 19th to 21st, 2011

- One day workshop on "Effective Teaching Through Computing Technologies" at Department of Computer Science, Government Arts College, Trichy on September 26, 2011.

- One Day "Workshop on Emerging Trends in Open Source & Green Computing" organized by Dhanalakshmi Srinivasan Collegeof Arts and Science for Women, Perambalur on Mar 12, 2014.

- One Day National Level Workshop on "WEKA Tool" organized by Roever College of Engineering and Technology, Perambalur on Aug 13, 2014.

- One day National Seminar on "Women in Unorganized Sector-Issues and Challenges" National commission for women, Tagore College of Arts and Science, Chennai, 10.1.2020.

- Online workshop on "Intellectual Property Rights", Pandit Deendayal Petroleum University (PDPU) and Intellectual Property Protection Organization (IPPO) on 10th & 11th April 2020.

- Online National Workshop on "Basics of Documentation using Latex" conducted by Stella Maris College, Chennai, on 24, 25, 29 & 30 April 2020.

- Workshop on "Data Science using Python", Conducted by 360DigiTMG, India", on 26-05-2020.

Webinars Attended

- National webinar on "Data Visualization using Tableau", conducted by BrainSwig Edutech Pvt Ltd, 16.4.2020.

- National Level Webinar on "Technology for future", conducted by ICT Academy on 09-04-2020 to 18-04-2020.

- National Level Webinar on "Webinar on the theme Leading in a VUCA World", conducted by ICT Academy on 20-04-2020 to 24-04-2020.

- Webinar on "Recent Trends in Computer Science" conducted by St. Joseph's College, Tiruchirappalli on 24-5-2020 & 25-5-2020.

- Webinar on " Enhancing Research Effectiveness using Scopus, Science direct and Mendeley", conducted by Kurukshetra University, Kurukshetra and Elsevier (Under the Aegis of PMMMNMTT, MHRD, Govt. of India) on 01-05-2020.

- National Level Webinar on "The Future of Education, Employment & Entrepreneurship", conducted by ICT Academy on 04-05-2020 to 06-05-2020.

- National Webinar on "Use of Elsevier Tools in Research Workflow" conducted by University of Madras and Elsevier on 05-05-2020.

- Webinar on "Machine Learning", conducted by Guru Nanak College, Chennai on 20-05-2020.

- Webinar on "Venturing into world of IoT", conducted by Tagore College of Arts and Science, Chrompet on 21.5.2020.

- Webinar on "Online Teaching Tools", conducted by Bishop Heber College, Tiruchirappali, on 30-5-2020.

- International Webinar on "Data Science", conducted by Bhaktavatsalam Memorial College For Women, Chennai on 20-05-2020.

- Webinar on "NoSQL / MongoDB" conducted by KarpagaVinayaga College of Engineering, Chengalpattu on 27-05-2020.

- National Level Webinar on "Applications of Image Processing", conducted by Sri Malolan College of Arts and Science, Madurantakam on 03-8-2020.

- National Level Webinar on "Wavelets in Image Processing" conducted by Sarah Tucker College, Tirunelveli, on 23-06-2020.

- International Webinar on "Research Experience on Digital Tools" conducted by Sarah Tucker College, Tirunelveli on 29-06-2020.

- UGC sponsored Hands-on Practice Webinar Series VI on "Image Processing using Python with Computer Vision" conducted by University of Madras on 02-10-2020.

- National Webinar on "Machine Learning for Non-Coders", conducted by Vel's University, Chennai on 20-11-2020.

- Webinar on "Use of Technology in Education", Tagore College of Arts and Science, Chrompet on 10-8-2021.

FDP Attended

- On Line Faculty Development Program on "Moodle Learning Management System", conducted by G.Venkataswamy Naidu College, Kovilpati 30.4.2020 to 4.5.2020.
- FDP on "Data Analysis and Visualization of Covid'19 Dataset using Python" conducted by Jerusalem College of Engineering on 07-05-2020.
- FDP on "Recent Trends in Color Image Processing", conducted by Patrician College of Arts and Science, Chennai on 11-05-2020.
- FDP on "Machine Learning", conduected by Rathinam College of Arts and Science, on 26-05-2020.
- Two Day Faculty Development ProgrammeOn "Online Teaching & Research Tools" conducted by GovindammalAditanar College for Women, Tiruchendur On 20-07-2020 and 21-07-2020.
- Faculty Development Program & Workshop on "Microsoft Dynamics 365" conducted by Kristu Jayanti College (Autonomous) on 4th and 5th May, 2020.

Certificate Courses

- Python 3.4.3- Spoken Tutorial Project, IIT Bombay, funded by National Mission on Education through ICT, MHRD, Govt., of India, April 17th 2020.
- R-Programming- Spoken Tutorial Project, IIT Bombay, funded by National Mission on Education through ICT, MHRD, Govt., of India, April 14th 2020.
- Moodle - Spoken Tutorial Project, IIT Bombay, funded by National Mission on Education through ICT, MHRD, Govt., of India, May 4th 2020.

Extra Curricular

- Question paper setter in various colleges
- Active member in Autonomy Co-Ordination Committee, Thanthai Hans Roever College (THRC),Perambalur.

- Active member in National Skill Development Corporation (NSDC), THRC,Perambalur.
- Active member in Website Development Committee, School of CS, THRC,Perambalur.
- Event Co-Ordinator in Intra Departmental Competition (RIT-PHONEIX2K14), Department of IT, THRC, Perambalur.
- Co-Ordinator in Ro-InfoTech 2014, Department of IT, THRC, Perambalur.
- Event Committee Member in Inter Collegiate Meet (R-Bit 2014), Department of IT, THRC, Perambalur.
- Successfully completed Typewriting in English (Lower, Higher) and Tamil (Lower).
- Participated in cultural and won prizes.
- Attended AICUF Camp at Usilampatti.

Personal Details

Father's Name	:	N. Thavod Sulaimaan
Date of Birth	:	20.05.1987
Age	:	36
Sex	:	Female
Marital Status	:	Married
Spouse Name	:	F. Abdulla
Languages known	:	Tamil & English (Read & Write)
Permanent Address	:	4a, KuppupiilaiThoppu, 3rd Street, South Veil Street, Madurai-625001, Tamil Nadu, India.

Communicative address   :   F302, F block A, Casagrand Savoye, Kuppusamy street, Karapakam, Chennai 600 097.

Declaration:

The information given above is true to my knowledge, and I am responsible for the deviation (if any).

Place: Chennai   (**T. Ummal Sariba Begum**)