

RESUME

Dr. SHARMILI NUKAPEYI

W/o.J.RAMAKRISHNA

Plot No: 202, Padmaja Elite apartments,

Gandhi nagar, Madhurawada,

Visakhapatnam (A.P.)



Contact No: +91-9491103593(M)

E-mail: logintosharmi@gmail.com

Blog: <https://logintosharmi.blogspot.com/>

College Webiste: <https://www.gvpcew.ac.in>

Home Page: <https://sites.google.com/view/logintosharmi>

LinkedIn: <https://www.linkedin.com/in/sharmili-n-1148b223/>

EXPERIENCE DETAILS: Teaching & Research : 14yrs 8 Mnths

S. No	Institution	Designation	From	To	Experience in years
1	GVPCEW, Visakhapatnam	Assoc. Professor	20-02-2017	Till date	4 Yr 6 Mths
2	VIIT, Visakhapatnam	Assoc. Professor	13-11-2015	15-02-17	1 Yr 3 Mths
3	GVPCOE, Visakhapatnam	Assoc. Professor	4-12- 2007	2-12- 2011	4 Yrs
4	GVPCOE, Visakhapatnam	Asst. Professor	27-06- 2006	4-12- 2007	1 1/2 Yr
5	Chaitanya Engg College, Visakhapatnam	Asst. Professor	15-6- 2005	13-06- 2006	1 Yr
6	BVC ENGG COLLEGE	Asst. Professor	12-07-2004	06-04- 2005	9 Mths
7	Vignan's Engg College	Lecturer	19-01-2004	30-06-2004	½ Yr
8	AU- NSTL Project, Dept. of CS&SE, AUCE(A)	Project Engineer	4-12- 2013	2-12- 2014	1 Yr

RESEARCH INTERESTS : Interseted in Interdisciplinary Research

1. Internet of Things
2. Embedded Systems
3. Block chain Technology
4. Image Processing
5. Network Security & Cryptography
6. Feature Extraction and Classification
7. Artificial Intelligence

SELECTED PUBLICATIONS:

Book:1

1. **E.Laxmi Lydia, N.Sharmili et al.,**“Robust Digital Image Watermarking Approach for Secure Medical Data Transmission in Smart cities” in **Artificial Intelligence Applications for smart societies, Studies in Distributed Intelligence (Springer Nature Switzerland AG 2021)** https://doi.org/10.1007/978-3-030-63068-3_15
eBook ISBN: 978-3-030-63068-3 DOI:10.1007/978-3-030-63068-3 Series 2662-3706
<https://www.springer.com/gp/book/9783030630676>
2. **Ms Nayeneni Sai Lohitha, Dr. R Swathi, Ms Vadetay Saraswathi Bai, Mr A V L N Sujith, Dr. N. Sharmili,**“ A Basic Guide for Virtualization in Cloud EnvironmentA Learners Manual ” in **Notion Press Media Pvt Ltd (Notion Press 2021)**
eBook ISBN: 978-1-63904-663-8
<https://notionpress.com/read/a-basic-guide-for-virtualization-in-cloud-environment#>

International journals -18

- [1] **Sharmili N**, Peter Praveen J, Yamini Sankar Challari, “*Secure Wireless LAN Deployment* ”, Ubiquitous Computing and Communications journal, September 2010, Volume 5, number 1, ISSN : 1994-4608 (Online)
http://www.ubiccc.org/files/pdf/470_470.pdf
- [2] N.Sharmili, SeethaRamaiah P , “*Image Compression and Resizing for Retinal Implant in Bionic Eye*”, International Journal of computer science and Engineering survey, Volume 2, Number 4, May 2011, ISSN : 0976-2760 (Online), pp.30-37.
<http://airccse.org/journal /ijcses/papers/0511cses04.pdf>
- [3] **N.Sharmili, SeethaRamaiah P.** “*A Real – Time Research Platform for Extraocular Image Processing of Epiretinal Prosthesis*”, International Journal of Computer Science and Information Technologies, Vol. 6, Number 2, 2015, 1134-1140, ISSN : 0976-9646 (Online)
<http://ijcsit.com/docs/Volume%206/vol6issue02/ijcsit2015060247.pdf> (impact factor- 2.93)
- [4] **N.Sharmili, SeethaRamaiah P.** “*Design of a Prototype for Vision Prosthesis*”, International Journal of Biomedical and Clinical Engineering, Vol. 7, Number 2 ,July-Dec 2018, 1-13, ISSN: 2161-1610 (Online)
<https://www.igi-global.com/article/design-of-a-prototype-for-vision-prosthesis/204397>
- [5] **N.Sharmili, E laxmi lydia.** “*An Integrated Way for Teaching Hadoop &Big Data Analytics Course*”, International Journal of Recent Technology and Engineering, Vol. 8, Number 2, July 2019, 1-13, ISSN: 2277-3878 (Online)
<https://www.ijrte.org/wp-content/uploads/papers/v8i2/B1739078219.pdf>
- [6] **Ferdiansyah, N.Sharmili,** “ *Examination of Population Information System as the E-Government Development in Regency*” International Journal of Engineering and Advanced Technology (IJEAT), Volume-8 Issue-6S2, August 2019, pp: 1040-1044, ISSN: 2249 – 8958.
<https://www.ijeat.org/wp-content/uploads/papers/v8i6S2/F13160886S219.pdf>
- [7] **N.Sharmili, E laxmi lydia.** “*Analysing the Performance of Classification Algorithms on Diseases Datasets*”, International journal of emerging technologies, Volume-10 Issue-3, Sept 2019, pp: 224-230, ISSN No. (Print): 0975-8364 ISSN No. (Online): 2249-3255
https://www.researchtrend.net/ijet/current_issue_ijet.php?taxonomy-id=64
- [8] **N.Sharmili, E laxmi lydia.** “*Image classification using deep neural networks for malaria disease detection*”, International journal of emerging technologies, Volume-10 Issue-4, Nov 2019, pp: 66-70, ISSN No. (Print): 0975-8364 ISSN No. (Online): 2249-3255
<https://www.ijrte.org/wp-content/uploads/papers/v8i2/B1739078219.pdf>
- [9] **N.Sharmili, N.Swapna.** “*An Enhanced Artificial Neural Network based Optical Character Recognition Mechanism for Business Information Extraction and Classification*”, Journal of

Advanced Research in Dynamical and Control Systems. Vol.11, issue -10,Sept 2019, pp:13-19, ISSN: 1943-023X

<http://www.jarcds.org/abstract.php?id=2572>

- [10] **N.Sharmili**, **E laxmi lydia**, “Automatic Document Clustering and Indexing of Multiple Documents Using KNMF for Feature Extraction through HADOOP and LUCENE on Big Data”, Test Engineering & Management magazine, Vol.81,Nov-Dec 2019, pp: 1107-1130, ISSN: 0193 – 4120.
<http://testmagazine.biz/index.php/testmagazine/article/view/162>
- [11] **B Renuka Devi**, **N.Sharmili**, “A Classification Model using improved Hybrid Genetic Particle Swarm Optimization Algorithm based on Separability-Correlation Measure”, Test Engineering & Management magazine, Vol.82,Jan- Feb 2020, pp: 1215-1223, ISSN: 0193 – 4120.
<http://www.testmagazine.biz/index.php/testmagazine/article/view/1068/968>
- [12] **E laxmi lydia**, **N.Sharmili**, “Applicational Achievement of K-Means Algorithm among Apache Spark and Map Reduce”, Test Engineering & Management magazine, Vol.82,Jan- Feb 2020, pp: 1224-1231, ISSN: 0193 – 4120.
<http://www.testmagazine.biz/index.php/testmagazine/article/view/1069/969>
- [13] **Dr. B. Prasad**, **Dr. Achyuth Sarkar**, **Dr. E.Laxmi Lydia**, **N. Sharmili**, “Disruptive Technologies for Smart Healthcare Systems using Artificial Intelligence for Hospital Management System”, International Journal of Advanced Science and Technology (IJAST) Vol. 29, No. 9s, (2020), pp. 2684-2692, May, 2020, ISSN:2005-4238.
<http://sersc.org/journals/index.php/ijast/article/view/15432>
- [14] **Sharmili Nukapeyi**, **Meghana Viyyapu**, **E.Laxmi Lydia**, **M. Ilayaraja**, **R. Pandi Selvam**, **Irina V. Pustokhina**, **Denis A. Pustokhin**, “Blockchain Based Healthcare System DApp”, International Journal of Advanced Science and Technology (IJAST) Vol. 29, No. 02, (2020), pp. 4647-4666, July, 2020, ISSN:2005-4238.
<http://sersc.org/journals/index.php/ijast/article/view/28470>
- [15] **Pasam Prudhvi Kiran**, **E.Laxmi Lydia**, **N.Sharmili**, **Ravuri Daniel**, **Dr.A.Krishna Mohan**, “Simple Forecasting Model for COVID-19 Cases in India - Multilevel Model Evaluation with R2, MSE, and MAE”, European Journal of Molecular & Clinical Medicine, Vol. 7, Issue 11, (2020), pp. 2164-2174, 2020, ISSN:2515-8260.
https://ejmcm.com/article_5781.html
- [16] **Pasam Prudhvi Kiran**, **E.Laxmi Lydia**, **N.Sharmili**, **Ravuri Daniel**, **Dr.A.Krishna Mohan**, “Case Based Reasoning for Tuberculosis Diagnosis”, European Journal of Molecular & Clinical Medicine, Vol. 7, Issue 11, (2020), pp. 2154-2163, 2020, ISSN:2515-8260.
https://ejmcm.com/pdf_5785_c97eb16c6455f31a9e6fb2e63a3e9a4b.html
- [17] **Pasam Prudhvi Kiran**, **Ravuri Daniel**, **N. Sharmili**, **E.Laxmi Lydia**, **Dr. A. Krishna Mohan**, “COVID-19 Lockdown Devastated Livelihood - Safe Back to Normality with Smart Jacket Prototype”, European Journal of Molecular & Clinical Medicine, Vol. 7, Issue 11, (2020), pp. 2130-2142, 2020, ISSN:2515-8260.
https://ejmcm.com/pdf_5784_d3d5e3e5804940d52eafd5338d648ceb.html
- [18] **Pasam Prudhvi Kiran**, **E.Laxmi Lydia**, **N.Sharmili**, **Ravuri Daniel**, **Dr.A.Krishna Mohan**, “Efficient and Short-Range Forecasting Model for COVID-19 Time Series Parameters - Daily Confirmed Cases, Deaths, Recoveries”, European Journal of Molecular & Clinical Medicine, Vol. 7, Issue 11, (2020), pp. 2143-2153, 2020, ISSN:2515-8260.
https://ejmcm.com/pdf_5783_22a3f9b9f458c2ce609cf46f106c07c3.html

International Conferences -06 (presented) -03 (accepted)

- [19] **N.Sharmili**, **SeethaRamaiah P**, “*Embedded Vision for Retinal implant*” International conference on Computational Vision and Robotics” ICCVR held at Bhubaneswar, Odissa, India, August 19-20, 2012.
- [20] **N.Sharmili**, **SeethaRamaiah P**, “*Embedded Vision for Epi-retinal Prosthesis*” International conference on. Reliability, Infocom Technologies and. Optimization (ICRITO 2013). (Trends and Future directions), AMITY SCHOOL OF ENGINEERING AND TECHNOLOGY, Noida, Uttarpradesh, India, January 29- 31 , 2013.
<https://www.amity.edu/aiit/icrito2013/ICRITO'2013%20Sessions.pdf>
- [21] **N.Sharmili**, **SeethaRamaiah P**, “*Programmable Digital Vision processor for Retinal Prosthesis*” IEEE International Conference on. Advanced Research in Engineering and Technology. ICARET – 2013, K L University, Vaddeswaram, Guntur District, AndhraPradesh, India, February 8- 9, 2013.
<http://toc.proceedings.com/23524webtoc.pdf>
- [22] **N.Sharmili**, **SeethaRamaiah P**, “*Microcontroller based Laboratory Prototype Model of Visual Implant Design to sense Vision and Generate Stimulus*” is **accepted** in The 4th International Conference of Bionic Engineering (ICBE’13), Nanjing University of Aeronautics and Astronautics, Nanjing, China, August 13-16, 2013.
<https://www.isbe-online.org/information/data/uploads/file/150913/14421548659143.pdf>
- [23] **Sharmili N**, **Rao VB**, **SeethaRamaiah P**, “*A prototype 1024 electrode embedded computer based Epiretinal Prosthesis System*” IEEE International Conference on Signal Processing and Integrated Networks (SPIN), 2016 AMITY SCHOOL OF ENGINEERING AND TECHNOLOGY, Noida, Uttarpradesh, India, February 11-13, 2016. (pp. 337-341).
<https://ieeexplore.ieee.org/abstract/document/7566715>
- [24] **N.Sharmili**, **N.Swapna**, “*An IOT based Smart Object Picker using Android App*” IEEE International Conference on. Communication and Signal Processing. ICCSP – 2017 ADHI PARASAKTHI ENGINEERING COLLEGE, Melmaruvathur, TamilNadu, India, April 6- 8, 2017.
- [25] **N.Sharmili**, **N.Swapna**, “*Comparative Analysis of Image Processing Algorithms for Visual Prosthesis*” IEEE International Conference on. Communication and Signal Processing. ICCSP – 2017 ADHI PARASAKTHI ENGINEERING COLLEGE, Melmaruvathur, TamilNadu, India, April 6- 8, 2017.
<https://ieeexplore.ieee.org/document/8286551>
- [26] **N.Sharmili**, **M.BhanuSridhar**, **K.Jyostsna**, “*FOOD TRACEABILITY IN SUPPLY CHAIN USING THE CONCEPT OF BLOCKCHAIN* ” is accepted in the “3rd International Conference on Latest Trends in Engineering and Management (ICLTEM-2021)”. It is going to be held on 26th & 27th February 2021 at Amanora Park Town, Amanora, Pune.
- [27] **N.Sharmili**, **M.BhanuSridhar**, **K.Jyostsna**, “*FOOD TRACEABILITY IN SUPPLY CHAIN USING THE CONCEPT OF BLOCKCHAIN* ” is accepted for presentation in the 2021 International Conference on Artificial Intelligence and Blockchain Technology (AIBT2021) to be held in Beijing, China during June 25-June 27, 2021.

National conferences – 07

- [28] **N.Sharmili**, **SeethaRamaiah P**, “*Image Processing and Interface for Retinal Implant in Bionic Eye*”, “National conference on Mobile and Embedded technology” MECON – 2011, AMITY SCHOOL OF ENGINEERING AND TECHNOLOGY, Noida, INDIA, March 10 – 11,2011.
- [29] **N.Sharmili**, **SeethaRamaiah P**, “*Image Processing on DSP for Retinal Implant in Bionic Eye*”, “4th National Conference on VLSI, Embedded Systems, Signal Processing and Communication Technologies-2011”, AarupadaiVeedu Institute of Technology, Madras, INDIA, April 7– 8,2011.

- [30] **N.Sharmili, SeethaRamaiah P**, “*Microcontroller Based Image Processing Module for Retinal implant*”, Proceedings of the National Conference AIRES-2012, Andhra University, Visakhapatnam, Andhra Pradesh, India, June 29-30 , 2012.
- [31] **N.Sharmili, P.Padmaja**, —“*Serial Communication in Intelligent systems*”, —National conference on Mobile and Embedded technology| MECON – 2011, AMITY SCHOOL OF ENGINEERING AND TECHNOLOGY, Noida, INDIA, March 10 – 11,2011.
- [32] **N.Sharmili, P.Padmaja**, —“*Serial Communication in Intelligent systems using SPI,I2C,CAN*”, —4th National Conference on VLSI, Embedded Systems, Signal Processing and Communication Technologies-2011|,AarupadaiVeedu Institute of Technology, Madras, INDIA, April 7– 8,2011.
- [33] **N.Sharmili, M.Ramana**, —“*A Digital Watermarking scheme for copyright of images*”, Proceedings of the National Conference NCIS-2011, Manipal centre for Information Science, Manipal University, Manipal, Karnataka State, India, April 29-30 , 2011.
- [34] **N.Sharmili, K.V.N.Deepthi, N.Bharathi**, —“*Fault Tolerant Encryption Scheme for Satellite Images Using Modified AES Algorithm*”, Proceedings of the National Conference NCIS- 2011, Manipal centre for Information Science, Manipal University, Manipal, Karnataka State, India, April 29-30 , 2011.

EDUCATIONAL QUALIFICATION:

Course	Specialization	Board / University	Year of Completion
Phd	CS&SE	Andhra University	Feb 2016
M.Tech	CST	GITAM College of Engineering Andhra University	2002 - 2004
B.Tech	ECE	J.N.T.U Kakinada	1997 - 2001

Doctoral Degree details

Department	CS&SE Department
Name of PhD Supervisor	Prof.P.Seetaramaiah
Title of PhD Thesis	AN EMBEDDED COMPUTER BASED DIGITAL VISION PROCESSOR WITH RETINAL IMPLANTABLE RECEIVER STIMULATOR FOR PROFOUNDLY BLIND PEOPLE – EPIRETINAL PROSTHESIS SYSTEM
Year of Completion of PhD	Feb 2016

ACTIVITIES/ ACHIEVEMENTS:

PATENT PUBLISHED:

Invention Details: "Reminder Data Segregation System for Smart Wearable Device".

Patent Application Number: 202041010225.

Publication Date: 13/3 2020.

ACADEMIC ACHIEVEMENTS AND AWARDS:

1. Received “Best Researcher Award” in IJIEMR –Elsevier SSRN Research Awards (IESRA-2020).
2. Received “Best Faculty Award” in the 10th International Scientist Awards on Engineering, Science and Medicine which is held on 26& 27-Sep-2020 in Hyderabad, India.
3. Received “I2OR National Eminent Young Researcher Award 2020” from INTERNATIONAL INSTITUTE OF ORGANIZED RESEARCH (I2OR).
4. School First in 10.

REVIEWER IN CONFERENCES

Worked as a Reviewer for

S. No.	Title of the Conference	Worked as a
1	ICANI-2018	Reviewer
2	ICMSEA 2017	Reviewer
3	ICESTM-2020	Reviewer
4.	AJRCOS-2020	Reviewer

WORK SHOPS & TRAINING PROGRAMS :

1. Participated in a Faculty Development Program on “Introduction to Internet of things” by NPTEL and got Certificate with score 77% (July –Oct (2018).
2. Attended a Faculty Development Program on “Biological Inspired Computing & Applications” Conducted by GVPCEW, Visakhapatnam on 09-03-2018 to 11-03-2018.
3. Attended a Faculty Development Program on “Analytics using R” Conducted by GVPCEW, Visakhapatnam on 13-11-2017 to 17-11-2017.
4. Attended a National Seminar on Cloud Computing Conducted by Department of Computer Science, GITAM University on 7th and 8th September 2012
5. Attended a Faculty Development Program on Cloud Computing Conducted by Tata Consultancy Services, Hyderabad on 16th April, 2011.
6. Attended a Faculty Development Program on Service Oriented Architecture Conducted by Tata Consultancy Services, Hyderabad on 16th April, 2011.
7. Attended a Work Shop on “Testing Tools (Module-1)” Conducted by STQC at Indo German Institute of Advanced Technology, Visakhapatnam on 29th – 31st August 2008.
8. Attended a Work Shop on “Bio Informatics and Speech Recognition” Conducted by Prof. Roger Marshall at GVPCEW, Visakhapatnam on 21st – 26th July, 2008.
9. Attended a Work Shop on “Embedded Systems” Conducted by Prof. B. Kantha Rao at Gayatri Vidya Parishad College of Engineering, Visakhapatnam on 11th – 13th June, 2008.

PARTICULARS OF EXPERIENCE IN INSTITUTIONAL ADMINISTRATION:

1. Worked as a Class Teacher, Project Coordinator for B.Tech and M.Tech Courses in department.
2. Examination Incharge for department
3. Given a lecture and worked as a coordinator for Workshop on Interfacing through Microprocessors conducted on 28th October to 30th October 2010 in GVP College of engineering.

