Dr. PALURI .V. S.LAKSHMI JAGADAMBA

Professor and Head
Department of Computer Science & Engineering
GVP College of Engineering for women, Visakhapatnam,
Andhra Pradesh, India 530045.
Mobile: 09848483016
Email: lakshmipulugurtha@gmail.com drpvsljagadamba@gvpcew.ac.in

1. **EDUCATION QUALIFICATIONS:**

    1. Ph.D in Computer Science & Engineering at Andhra University College of Engineering, Andhra University February 2014.
    2. M.Tech in Information Technology at Andhra University College of Engineering, Andhra University 2004-2006, First Class & distinction 80%.
    3. AMIE in Computer Science & Engineering at Institute of Engineers, India (IEI) with CGPA of 7.82, October 2017.

2. *ACADEMIC AWARDS:*

    1. *Completed NPTEL online course on "Python for Data Science" with a score of 72% during August-September 2019*

    2. Chaired a session at IEEE International Conference on Intelligent Systems and Green Technology ICISGT – 2019 during 29th & 30th June 2019 organised by IEEE Vizag Bay Sub Section and IEEE Hyderabad Section at Visakhapatnam India.

    3. Chaired a session at the International journal of Arts and Sciences (IJAS)International conference for academic disciplines which was held at Harvard Medical school new research building, Harvard University and MIT Boston, USA during May 28th to June 1st 2019.

    4. *Completed NPTEL online course on "Data Science for Engineers" with a score of 77% during January-April 2019*

    5. *Completed NPTEL online course on "Programming, Data Structures and Algorithms Using Python" with a score of 70% during August-October 2018*

    6. For the research work entitled , "A Processor Responsible for Type II Diabetes Mellitus Implementing & Analysis of Genomic Signal Processing ",awarded a Gold Medal, by ®Intel India Embedded Challenge (Intel IEC) 2012" , held on August 22nd 2012, at Bangalore, India.

    7. The extension of the above problem (prototype) got selected for incubation by DREAM:IN is a global movement, a massive online open innovation platform and creative incubator in September 2013.

3. *PATENT FILLED:* Patent Applied Docket Number: 44706 Application Number: 201641037178, Invention Details "*System for Detection of Application Layer Attacks*", dated of filling August 29th 2016.

4. EXTERNAL GOVERNMENT FUNDED RESEARCH PROJECT:

1) PROJECTS COMPLETED :

1. A project for Rs 17,52,000/- from Department of Science & Technology (DST) , Government of India ,entitled " INSILICO ANALYSIS OF BRAIN DERIVED NEUROTROPHIC FACTOR(BDNF) A PROTEIN WHICH MIGHT HELP TO CONTROL DIABETES ", Principle Investigator Women Scientist Scheme (WOS-A) JNTU Kakinada during December 2010 – June 2012.

2. A project for Rs 9,55,000/- from University Grants Commission (UGC) , Government of India ,entitled "STATISTICAL MODELS FOR PREDICTION OF FINANCIAL EVENTS USED DATA MINING ", (Major Research Project sponsored by UGC) Principle Investigator Department of Computer Science ,GVP College for Degree & PG Courses Rushikonda, Visakhapatnam during February 2009 -2012.

5. RESEARCH GUIDANCE:

1. Published more than 10 publications in various international and national journals/conference.
2. Guided more than 16 post graduate students in various of verticals

7. ARERS OF INTEREST:

Digital Logic Design, Operating System, Distributed Systems, File Structures, Database Management Systems, Data Ware Housing & Data Mining, Systems Programming, Computer Organization, Distributed Data base Systems.

8. MEMBERSHIP IN PROFESSIONAL BODIES:

1. Certified as a "Member – Convener " of membership development and Professional Activates committees of the Institute of Electrical and Electronics Engineers (IEE) vizag bay sub section for the year 2016 and annual member of IEEE up to year December 2020.
2. A.M.I.E (Associate Member India Institute of Engineers).
3. Computer Society of India Life Member (CSI).

9. PAPERS PUBLISHED IN VARIOUS INTERNATIONAL JOURNALS:

1. P.V.S.LAKSHMI JAGADAMBA "Identification Of Parkinson's Disease By Way Of Machine **Learning Algorithms**", International Journal of Creative, Researh and Thoughts (IJCRT) Volume 10, Issue 11 November 2022 pp- b778-b786 | ISSN: 2320-2882.

2. M. Bhanu Sridhar, L. Gopika Varshini, L. Gopika VarshiniP.V.S.LAKSHMI JAGADAMBA "A Study of the After-Effects of COVID-19 with an Emphasis on Potential Cardio-Thoracic Diseases through a Machine Learning Outlook", International Journal of Computer Science and Mobile Computing Vol.11 Issue.10, October- 2022, pg. 119-126.

3. Dr.P.V.S.L Jagadamba, Garapati Sai Harshini, Kalla Gowri, Gandi Yernamma, "Automatic Speech to Text Summarization Using Graph Based Algorithm" International Journal of

Enhanced Research in Science, Technology & Engineering, ISSN: 2319-7463, Vol. 10 Issue 10, PP 29-32, October-2021 , Impact Factor: 7.957

4. Dr.P.V.S.L Jagadamba, "Highly Dense MANET Architecture Using An Energy-Efficient Cluster-Based Routing Protocol" International Journal of Advanced Science and Technology, ISSN: 2005-4238, Vol. 29 No. 8 (2020), pp. 6426-6439

5. Dr.P.V.S.L Jagadamba, K.S.S. Harshitha, G. Jayasree, B.S. Sameera, K.A. Varshini, "Adaptive Frame Extraction and Action Recognition Using Deep Learning" Pramana Research Journal, ISSN: 2249-2976, PP 68-75 Volume 10, Issue 5, 2020

6. Dr. P.V.S. Lakshmi Jagadamba, "Method And Apparatus for detecting Denial of Service Attacks" , published at Academic Journal of Science, CD-ROM. ISSN: 2165-6282 :: 09(01):93–98 (2019), PP-93 to 97.

7. Dr. P.V.S. Lakshmi Jagadamba, "A Significance Method for Identifying Translational Genome Inter Nucleotide Signals Using Messenger RBA (MRNA)", published in IEEE Xplore: http://ieeexplore.ieee.org/document/7955850/ in June 2017

8. Dr. P.V.S. Lakshmi Jagadamba , "Multiple Sequence Alignment Algorithms for a Protein Structure for a Biological Data using Dynamic Programming Method ",Journal of Recent Trends in Programming Languages, Vol 1, Issue 1 ,RTPL (2014) 1-7 © STM Journals March 2014., PP 1 – 7, ISSN: 2455-1821.

9. P.V.S. Lakshmi Jagadamba, Prof. M.S.PassadBabu, Prof. AllamAppa Rao (2012), "Efficient Protein Interaction Hotspot Identification in Proteins", International Journal of Engineering and Development (IJERD), ISSN: 2278-067X, Volume 1, Issue 8, PP 08-11.

10. P.V.S. Lakshmi Jagadamba, Prof. M.S.PassadBabu, Prof. AllamAppa Rao (2012) "Hotspot Identification System for identification of core residues in Diabetic Proteins", Global Journal of Computer Science & Technology, USA , Volume- XII, Issue – 1, Version 1 , ISSN:0975-4350, PP 47-52.

11. P.V.S.Lakshmi Jagadamba , P.K.Subba Rao" Implementation of PSO Algorithm for Genomic Sequences Calculating the peaks at N/2, N/3" an International Conference on computer , Electrical, Systems, Science and Engineering', World Academy of science , Engineering and Technology pp 1096-1100.

12. P.V.S. Lakshmi Jagadamba, Prof. M.Surendra Prasad Babu, Prof. AllamAppa Rao, P.KrishnaSubba Rao, Mr. T. M. N. Vamsi (2010) "A Novel Approach for Pair Wise Alignment Using Particle Swarm Optimization", International Journal of Computational Intelligence Research & Applications , July-Dec 2010, Volume 4 , Number 2, ISSN 0973 – 6794, PP 157 – 160.

13. P.V.S.Lakshmi Jagadamba , P.K.Subba Rao (2010) , "Computational Clustering Technique of a Nonlinear Unconstrained Functions using Bio Markers", International Journal of Computer Sciences and Information Technology, ISSN: 0974 – 8385, issue of the journal, January-June , Volume 3, Issue 1, PP 179 -184.

14. P.V.S.Lakshmi Jagadamba , P.K.Subba Rao (2010) " Intrusion Tolerant Enhanced Secured Architectural Database System", International Transactions in Mathematical Sciences and Computer (ITMSC), ISSN 0974-5068, Volume 3, Issue 1, PP 45-53.

15. P.Krishna Subba Rao, P.V.S.Lakshmi Jagadamba (2010) " Identification of Congenital Muscular Dystrophy Disease for a Type II Diabetic Gene and Analysis Using Mass Spectrometer Biomarkers", Bioinformatics Trends A Journal of Bioinformatics and its Applications, ISSN 0973 – 6581, Volume 5, Issue 3&4 , PP 80 -87.

16. P.V.S. Lakshmi Jagadamba, Prof. P.S Avadhani (2006), "Database Security", Journal of Andhra Pradesh Akademi of Sciences, Vol. 10(2) June PP 178-181.

10. **PAPERS PRESENTED/PUBLISHED IN VARIOUS INTERNATIONAL CONFERENCES:**

1. G Lingam, B Yasaswini, PVSL Jagadamba, "An Improved Bot Identification with Imbalanced Data using GG-XGBoost presented in 2nd International Conference on Intelligent 2022 and published in IEEE explore https://ieeexplore.ieee.org/abstract/document/9848252

2. Hamsini Pulugurtha, P Jagadamba, on "Programmed Speech to Text Summarization Using Graph Based Algorithm" , presented and published in XVI International Research Conference Proceedings, San Francisco , United States June 02-03, 2022.

3. PVS Lakshmi Jagadamba presented a paper "Prevention of DDoS Attacks at Application layer using Fisher's Z Model ", for themed presentation at the international Conference of Art and Science international conferences for academic disciplines held at Harvard Medical School , New Research Building ,77 Avenue Pasteur, Boston ,Massachusetts.

4. PVS Lakshmi Jagadamba presented a poster presentation "Method And Apparatus for detecting Denial of Service Attacks" at the international Conference of Art and Science international conferences for academic disciplines held at Massachusetts Institute of Technology ,255 Massachusetts Avenue , Cambridge ,

5. Presented a paper on "An Algorithmic Approach to Calculate Fault Tolerant to a Gene-Gene Network Using Graph-based MapReduce Programming Framework Architecture", on Thirteen International Conferences on Technology, Knowledge and Society, at Chestnut Conference Centre, University of Toronto, Toronto, Canada during 27-29 May 2017

6. Presented a paper on "A Significance Method for Identifying Translational Genome Inter Nucleotide Signals Using Messenger RBA (MRNA)", in International Conference on Signal Processing, Communication, Power and Embedded System (SCOPES -2016), organized by Centurian University of Technology and Management, Odisha during 3rd -5th October 2016.

7. Presented and published a paper on, " Implementation of PSO Algorithm for Genomic Sequences Calculating the peaks at N/2, N/3" an International Conference on computer , Electrical, Systems, Science and Engineering ', World Academy of science , Engineering and Technology , Singapore on 28th September to 30th September 2011, pp 1096-1100.

8. Presented and published a paper on, "A Particle Swarm Optimization Based Multiple Sequence Alignment", Proceedings of IEEE 2nd International

Conference on Software Engineering and Service Science (ICSESS2011) Beijing, China, 15-17 July 2011, PP 133- E135.

9. Presented and published a paper, " Invertability Issues of Truncated Polynomials in NTRU Cryptosystems", Proceedings of the an International Conference on Security and Management SAM 2008, Las Vegas USA, 14th July – 17th July 2008, pp 34-37.

10. Presented and published along with Prof P.S. Avadhani (2006) "Implementing Shared Generation of RSA Keys", proceedings of International Conference on The 10th World Multi- Conference on Systemics, Cybernetics and Informatics (WMSCI-2006) , Orlando, Florida, USA, 16-19 July 2006 pp 82-85.

11. Presented and published along with P.K.Subba Rao (2006) "Architectures for Intrusion Tolerant Database Systems", Proceedings of The International Conference of e-Security, Computer Society of India, Visakhapatnam, 24– 26 February 2006, Page No 140-146.

11. **PAPERS PUBLISHED IN VARIOUS NATIONAL CONFERENCE:**

1. PVS Lakshmi Jagadamba, N Sowjanya Kumari presented a paper, "Develop Institutional Chatbot using Deep neural Networks and NLTK" in the two-Day National Conference on Recent Advances in Science and engineering (RAiSE) 2023" at Gayatri Vidya Parishad College of Engineering for Women, , Visakhapatnam during 5th -6th August 2023.

2. Swathi Yalavarthy, PVS Lakshmi Jagadamba presented a paper, "Enhancing Healthcare Record Modeling through Graph Convolutional Networks: Overcoming Challenges and Advancing Data Management and Analysis" in the two-Day National Conference on Recent Advances in Science and engineering (RAiSE) 2023" at Gayatri Vidya Parishad College of Engineering for Women, , Visakhapatnam during 5th -6th August 2023.

3. PVS Lakshmi Jagadamba, N Sowjanya Kumari presented a paper, "Recommendations for Educational Courses Systemutilizing Association Rule Mining, Collaboration Filtering and Content Based Filtering" in the 1st National Conference on "Design Thingling: Trans Disciplinary Challenges & Opportunities, Andhra University, Visakhapatnam during 7th -8th July 2023.

4. Swathi Yalavarthy, PVS Lakshmi Jagadamba presented a paper, "Survey of Graph Databases" in the 1st National Conference on "Design Thingling: Trans Disciplinary Challenges & Opportunities, Andhra University, Visakhapatnam during 7th -8th July 2023.

5. Ms. P.V.S. Lakshmi Jagadamba , Mr. T. Vamsi Mohan, " A particle swarm optimization based multiple sequence alignment " , proceedings of a national seminar on translation research in bio informatics &T2DM", 17th to 18th April 2011, ISBN-978-81-921799-1-9, volume 1,pp91-97.

6. Ms. P.V.S. Lakshmi Jagadamba , " Optimization of Uncondtrained functions using Particle Swarm Optimization" a national Conference - NITAC-'10, Bannar Ammman Institute of Technology , sathyamangalam – 63. , 7th to 18th April 2010, ISBN-978-81-921799-1-9, volume 1,pp91-97.

12. *ORGANIZING SEMINARS / CONFERENCES:*

1) Organized a Two-Day National Conference on Recent Advances in Science and Engineering during 5th -6th August 2023.

2) Organized a Webinar on "Storytelling and Puzzles in an Engineering Course" on 9th October 2021.

3) Organized Five day Workshop on "Applications of Image Processing and Machine Learning" during 22nd -26th June 2020.

4) Organized Two-Day Faculty Development Program on WEKA Tool" during 15-16 November 2018

5) Organized "Three Day Workshop on Gateway to R&D" during 28th -30th August 2017.

6) Organized Two Day Workshop on "Transact SQL Foundation Course" during 8th – 9th March 2017.

7) Organized three day national level Faculty Development Program on "BIG DATA ANALYTICS" during December 16th – 18th 2016.

8) Organized Workshop on "Android Application Development" during September 12th – 16th 2016.

9) Organized two day CSI state level student convention during January 22nd and 23rd 2016.

10) Organized a Training Program on "Dot net Fundamentals (Microsoft Technology Associate)" during October 5th to 17th 2015.

11) Organized a two Day Workshop on "Application Development on Android Technology" during December 29th and 30th 2014.

12) Organized a two Day Workshop on "Application Development on Cloud Technology" during December 26th and 27th 2014.

13) Organized a two day workshop on "Ethical Hacking" during July 17th -18th 2014.

14) Organized a two day seminar on "Data Mining and Ware housing" from April 4th -5th 2008.

15) Organized a one day workshop on "Digital Signal Processing and Embedded Systems" on 12th April2008.

16) Organized a two day international workshop on trans disciplinary education and research (IWTER-2007), held at Andhra University College of Engineering (Autonomous), on 23rd October 2007 and 24th October 2007.

13. *WORKSHOP / SEMINARS / CONFERENCES ATTENDED:*

1. Attended FDP on "RPA Design and Development v1.0 -Educator Readiness program" organized by UIPath during 20-29th July 2020

2. Completed **Coursera Specialization Course on "Applied Data Science with Python Specialization"** during April-August 2020. The courses completed are

        a. Introduction to Python
        b. Data Representation in Python
        c. Machine Learning in Python
        d. Text Mining in Python
        e. Applied Social Network Analysis in Python

3. Completed Coursera 4-week online Course on "**Neural Networks and Deep Learning**" during May 2020.
4. Completed NPTEL-AICTE 8-week Course on "**Python for Data Science**" with 72% score during Aug–Sep 2019.
5. Completed NPTEL-AICTE 8-week Course on "**Data Science for Engineers**" with a consolidated score of **77%** during Jan-Mar 2019.
6. Completed NPTEL-AICTE 8-week Course on "**Programming, Data Structures and Algorithms Using Python**" with 75% score during Aug–Sep 2018.
7. Completed Online course on "Learn Tableau Desktop for Accurate Business Analysis" on 1st December 2017 offered by Udemy (www.udemy.com).
8. Completed "Transact SQL Foundation Course" organized by Microsoft in August 2017.
9. Participated in One Day National Workshop on "Quality Measures in Technical Education" Organized by Gayatri Vidya Parishad College of Engineering (Autonomous) on March 18th 2017.
10. Participated a two-day National Workshop on "Advances in Web mining and Big data" organized by Department of Computer Science and Systems Engineering, Andhra University on 18th -19th December, 2014.
11. Attended a two-day international conference on "Computational Intelligence: Health and Disease" organized by Institute of Bioinformatics and computational Biology (IBCB), Visakhapatnam on 27th – 28th December 2014.
12. Attended a two day Workshop on "Recent Trends in Bioinformatics" organized by Institute of Bioinformatics and computational Biology (IBCB), Visakhapatnam on 17th -18th May 2014.
13. Attended a two day Workshop on "Bioinformatics Tools in Diabetic Research" organized by Institute of Bioinformatics and computational Biology (IBCB), Visakhapatnam on 16th -17thAugust 2014.
14. Attended in Two Day National Conference on Artificial Intelligence, Robotics, and Embedded Systems (AIRES 2012) organized by Department of Computer Science and Systems Engineering, Andhra University during 29th a-30th June 2012.
15. Attended Two day conference on "Bio-Informatics and beyond" Organized by Ramanujan, JNTU, Kakinada, Department of Science and Technology along with AIMSCS, Visakhapatnam on 30th Nov- 1st Dec 2011.

16. Attended Five Day Workshop on "Statistical and Mathematical Modelling including data Collection on Analysis" Organized by Ramanujan, C R Rao AIMSCS, Hyderabad on 17th to 21st October 2011.

17. Attended 2nd National Workshop on "Data Engineering" Organized by Department of CSSE, AU Collwege of Engineering, Andhra University, Visakhapatnam on 26th March 2010.

18. Attended One Day Orientation and Retraining Program on "Communication and Soft Skills" for College teachers Organized Department of English, GVP College For Degree and PG Courses(A), Visakhapatnam on 14th December 2008.

19. Attended Two Day Workshop "International Conference on Data mining and Stochastic Models" Organized at Andhra University, Visakhapatnam on 29th Jan – 1st Feb 2008.

20. Attended one day National Workshop on "Data Mining and Business Intelligence" organized at Chaitanya Engineering College Visakhapatnam on 11th - 12th August 2007.

21. Attended five-day National Workshop on "Search and Mining Engines and Their Applications" organized at GITAM College of Engineering Visakhapatnam on 9th - 13th June 2006.

14. *REFRESHER COURSES / ORIENTATION PROGRAMS ATTENDED*:

1) Attended a Refresher Course on "Industrial Network Management (INM)" at G.V.P. College of Engineering for Women, Visakhapatnam during 02nd -15th March 2010.

2) Attended a Refresher Course on "Bio-Informatics and Speech Recognition" at 99G.V.P. College of Engineering, Visakhapatnam during 21st -26th July 2008.

3) Attended a Refresher Course on "E- Business" at Institute of public enterprises, OSMANIA University Hyderabad during 1st - 23rd March-2004.

4) Attended an Orientation Program on "BCA Program Curriculum" at Academic Staff College Andhra University, Visakhapatnam Hyderabad during 17th - 29th January 2000.

15. *PROJECTS GUIDANCE FOR UNDER GRADUATE AND POST GRADUATE STUDENTS:*
Some of the recent projects are mentioned below.

1) Project entitled "Feedback Analysis System" by M.D. Harika, P GunaTeja, L Sebareesh and P Manoj Yadav

2) Project on "LOG Analytics: A Case Study on Computer log files using Hadoop Framework" by I Ravikanth,K Suma, B Roja and L Pratyusha

3) Project on "Faculty Management System" by P Lakshmi Koulini,BNeelima Rose and G Ravi Teja

4) Project on "Anti – Phishing Framework based on Visual Cryptography" by ChSrinivas, G Dinesh and M Mohan

5) Project on " Design and Implementation of Academic Cloud" by M K Pruthvi, A Gayathri and S S Priyanka Rao

6) Project on "Hospital Management System" by G KeerthiVarshini, R GirishBabu, K Chanoja and A K Rahul

7) Project on "Online Examination System" by K Aksha, M Srikanth, P rama Pavani and M Rohit Sameer

8) Project on "Web History Analytics" by T Harshini, GGS Sampath, D Balu and T Satish

16. **PROFESSIONAL EXPERIENCE : *20* Years**

1) January 2018 – Till date as Professor , Department of Computer Science And Engineering, G.V.P. College of Engineering for Women, Madhurawada, Visakhapatnam

2) June 2014 – January 2018 as Professor, Head of the Department of Computer Science Engineering, School of Engineering, Technical Campus, Gayatri Vidya Parishad College for Degree & PG Courses, Visakhapatnam.

3) June 2012 – May 2014 as Associate Professor, Department of Computer Science and Engineering, School of Engineering, Technical Campus, Gayatri Vidya Parishad College for Degree & PG Courses, Visakhapatnam.

4) Worked as an WOMEN SCIENTIST, WOS(A) , Department of Science & Technology –JNTU- Kakinada- December 2010- June 2012.

5) August 2005 to – December 2010, as Associate Professor of Computer Applications, at GVP College for Degree and PG Courses Visakhapatnam, Andhra Pradesh, India.

6) September 2001 – August 2005, as Asst. Professor of Computer Application, at GVP College for Degree and PG Courses Visakhapatnam, Andhra Pradesh, India.

7) March 1999 – March 2000, as Lecturer of Computer Applications, at GVP College for Degree and PG Courses Visakhapatnam, Andhra Pradesh, India

8) April 2000 – August 2001 as a Software Developer ,QatalysInc, Texas USA.

17. **PERSONAL DETAILS:**

Date of Birth: 04-06-1974.
Address for correspondence: MIG 62(A.U),#2-48-5, SECTOR XI, M.V.P. COLONY, VISAKHAPATNAM, ANDHRA PRADESH, INDIA- 530017.