

PRATIBHA LANKA
Assistant Professor

Qualifications: M.Tech-CST(JNTU-K), MCA (A.U), AMIE(CSE).

Date of Birth: May 21, 1983

Nationality: Indian

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pratibha@gvpcdpgc.edu.in

Contact No: **8500091624**

Academic Details:

Year	Qualification	Board/University	Percentage
2021	AMIE	IEI	7.91(CGPA)
2013-2015	M.Tech(CST)	JNTUK	82
2004-2007	MCA	Andhra University	67.76
2001-2004	B.Sc (ME Computers)	Andhra University	73
1998-2000	Board of Intermediate (MPC)	Board of Intermediate Education,Hyderabad,AP	65
1997-1998	S.S.C	Board of Secondary Education,Hyderabad,AP	69.6

Enrolled PhD in the Department of Computer Science and Engineering on Aug-2024 at GIET University, Odisha.

Work Experience:

Currently working as Assistant Professor in the Department of Computer Science Engineering, Engineering and Technology Program, Gayatri Vidya Parishad College for Degree and P.G. Courses. (A) From April' 2023 to till date.

Worked as Assistant Professor in the Department of Computer Science, GayatriVidya Parishad College for Degree and P.G. Courses. (A) From Oct'2011 to April' 2023.

Patents:

1. SYSTEM AND METHOD FOR CONTEXT-ENHANCED SECURE ACCESS CONTROL IN IOT-BASED ELDERLY PERSON MONITORING

Application Number:202341075275

Date of Filing:03/11/2023

Date of Publication:15/12/2023

2. AUGMENTED REALITY INTEGRATED SYSTEM AND METHOD FOR PHYSIOTHERAPY MONITORING AND TRAINING USING MACHINE LEARNING

Application Number:202441024278

Date of Filing:27/03/2024

Date of Publication:05/04/2024

Publications: Scopus: #6

- 1. Pratibha Lanka, et.al**, “Unsupervised Detection of Groundwater Quality Anomalies via Autoencoder–LOF Ensemble” International Conference on Intelligent Computing, Information and Control Systems (ICOIICS-2025). IEEE DOI: 10.1109/ICOIICS67115.2025.11390662.
- 2. Pratibha Lanka, et.al**, “Improving Text-Driven Image Synthesis: Diffusion Models for Photorealistic Outcomes” International Journal of Computing, 23(4), 673-680. <https://doi.org/10.47839/ijc.23.4.3766>, Volume 23, Issue 4.
- 3. Pratibha Lanka, et.al**, “AI-Based Criminal Identification System A Breakthrough Approach” International Journal of Mechanical Dynamics and Systems Analysis, IJMDSA 2024, Volume :02 | Issue: 01 | Page : 1-15 Organized by GVPCDPGC(A), held on 13th to 14th April 2024, Visakhapatnam.
- 4. Pratibha Lanka, et.al**, “Anomaly Detection in Groundwater Quality Measurements: A Machine Learning Approach” Organized by GVPCDPGC(A) and ICT Academy, held on 13th to 14th April 2024, Visakhapatnam.
- 5. Pratibha Lanka, et.al**, “Accurate Lung Cancer Diagnosis, Staging and Prognosis at Remote Areas by using Artificial Intelligence, Machine Learning and Deep Learning Technologies AI & It's Applications” Organized by Institute for Engineering Research and Publication (IFERP) – Tamil Nadu Society, held on 03rd & 04th November 2023, Chennai.
- 6. Pratibha Lanka, et.al**, “An IoT based Smart Water Contamination Monitoring System, presented at IEEE International Conference on Intelligent Systems for Communications, IoT and Security held on 9-11 February 2023 at PSG College of Technology Coimbatore, (Virtual mode).
- 7. Pratibha Lanka, et.al**, “An IoT-Based Smart Garbage Monitoring and Disposal Support System”, IEEE Explore., INSPEC Accession Number: 20592651, DOI: 10.1109/ICCMC51019.2021.9418289, 06 May 2021. **(Scopus)** Link: <https://ieeexplore.ieee.org/document/9418289>

8. **Pratibha Lanka, et.al**, “Defence against Frequency Analysis in Elliptic Curve Cryptography using K-Means Clustering”, 12 April 2021, IEEE, International Conference on Computing, Communication, and Intelligent Systems (ICCCIS), ISBN:978-1-7281-8529-3. (Scopus).
9. **Pratibha Lanka, et.al**, “Sentimental Analysis with WhatsApp Group Chat Data”, 2020 IJRAR October 2020, Volume 7, Issue 4 (E-ISSN 2348-1269, P- ISSN 2349-5138).Pratibha Lanka, et.al, “An Embedded System Design For Guiding Visually Impaired Personnel An Embedded System Design For Guiding Visually Impaired Personnel”, IEEE Explore.,INSPECAccessionNumber:9361113,DOI:10.1109/ICRAECC43874.2019.8995050 , 13 February 2020.(Scopus) Link:<https://ieeexplore.ieee.org/document/8995050>.
10. **L. Pratibha**, et.al, “A Novel Cryptographic Approach for Preventing Attacks in a Network” International Journal of Computer Science and Information Technology, Volume 6, Issue 6, pp:5595-5598 ISSN: 0975-9646 (print) (2015).
11. **L. Pratibha**, et.al, “Soft Computing method for diagnosing diabetes patients”, Indian Journal of Research in Pharmacy and Biotechnology, Special Issue-1(CAMCAT-2014), pp: 9-11, ISSN: 2320-3471(online) 2321-5674(print) (2014).
12. **L. Pratibha**, et.al, “**Forensic Bioinformatics: A overview,**” published in National Seminar on Privacy Preserving and Trust Management, held at GVP College for Degree & PG Courses, on 24th & 25th March 2012.

Professional Membership:

1. IEEE, Membership 2025, Id-100986661
2. **IFERP**, Professional Member, Id- PROF-49306429
3. **IAENG**, International Association of Engineers, Id- 381866.
4. **Associate Member of Institute of Engineers**, AMIE-AM1816899.

Book chapter:

Published one book chapter with title, “IoT Applications and Recent Advances” (Chapter 13) in the Book “Cyber-Physical, IOT and Autonomous Systems in Industry 4.0”, Taylor and Francis Group, CRC PRESS.(Scopus).

Seminars/Workshops/FDP/STTP attended:

Sno.	Name of the Seminar/Workshop/FDP	Date
1.	Embedded Systems (workshop)	31 st to 2 nd Aug 2008
2.	Big Data Analytics (FDP)	16 th to 18 th Dec 2016
3.	Computational Intelligence and Big Data (Conference)	15 th to 16 th Dec 2017
4.	Introduction to Big Data Analytics (FDP)	22 nd to 23 rd Dec 2017
5.	Hadoop(HORTONWORKS) (FDP)	30 th to 05 th May 2018
6.	IBM Rational Software Architect Designer (2 Day Training Program)	29 th -30 th Nov 2018
7.	2-Day FDP on Introduction to Cloud Computing, G.V.P College for Degree & P.G. Courses(A), Rushikonda, Visakhapatnam (FDP)	13 th to 14 th May 2019
8.	Introduction to Cloud Computing. ICT Academy	13 th to 14 th May 2020
9.	Introduction to Data Science Guntur Engineering College	18 th to 22 nd May 2020
10.	Artificial Intelligence, G.V.P College for Degree & P.G. Courses(A), Rushikonda, Visakhapatnam.	22 nd to 26 th May 2020
11.	Python IIT Bombay National Mission on Education through ICT MHRD, Govt. of. India SPOKEN TUTORIAL.	04 th to 10 th May 2020
12.	Recent trends & Application of Machine Learning & Deep Learning in IT, RAIT , Mumbai	25 th to 29 th May 2020
13.	Cyber security NITTTR	08/06/2020 to 19/06/2020
14.	IoT APSSDC	15-06-2020 to 27-06-2020
15.	Data analytics with python, NITTTR	22/06/2020 to 26/06/2020
16.	Quality Improvement in Technical Education through Outcome based Education	04-11-2022 to 05-11-2022
17.	Python Programming by APSSDC	27-10-2022 to 27-11-2022
18.	NEP 2020 Orientation & Sensitization Programme (MM_TP), UGC-MMTC, AU	05-03-2024 to 14-03-2024
19.	Five-Day workshop on Quantum Computing and Security, SERB & GIETU.	15-01-2024 to 19-01-2024
20.	Orientation towards Technical Education and Curriculum Aspects, Module-1, NITTTR	01-02-2024
21.	Five-Days International Virtual FDP on "Exploring New Frontiers in Teaching Tools, AI and Data Analytics" organized by MEASI Institute of Information Technology, Royapettah, Chennai	29-07-2024 to 02-08-2024
22.	Five-Day FDP on Quantum Computing and Communication, IIT Roorkee.	05-08-2024 to 09-08-2024
23.	1-Week FDP ATAL Quantum Computing with Artificial Intelligence: Convergence and Applications, at Gayatri Vidya Parishad College for Degree and PG Courses (A), Visakhapatnam.	25-08-2025 to 30-08-2025

PYTHON MTA Certified.

NPTEL:

- Big Data Computing- 2018-19
- Introduction to Machine Learning- 2019-20
- Machine Learning- 2023-24

Papers dealt:

Machine Learning, NoSQL, Design Analysis and Algorithms, C programming language, Data Structures, Database Management Systems, Operating Systems, Data Science, Python, R, C++, Big Data.

Projects guided at UG Level:

65 projects guided to B.Tech. and B.Sc. final-year students at their final Semester.

Personal Details

- Husband's Name : Dr. T.M.N. Vamsi
- Address (Correspondence) : Flat No: 202, Jewel Paradise Apartments,
Endada, Visakhapatnam.
- Languages Known : English, Hindi, Telugu

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