

CURRICULUM VITAE

RAJANA KANAKA RAJU

M.Sc,M.Tech,(Ph.D)

Door No: 18-121/A,
Port Colony,Adithya Nagar,Street No-4,
Near Sri Venkateswara Swamy Temple,
Nagarampalem Road,Madhurwada,
Visakhapatnam-530048.

Mobile Number: 9848298303

Email: rkinraju@gmail.com
raju_rkin@yahoo.com

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

~~ORCID : <https://orcid.org/0000-0001-6939-793X>~~

Scopus ID : <https://www.scopus.com/authid/detail.uri?authorId=57566867300>

Google Scholar ID : <https://scholar.google.com/citations?hl=en&user=kBvYzOQAAAAJ>

Vidwan ID : 600429

OBJECTIVE :

To work for an organization, where I can apply my technical proficiency in working towards the organizational needs and benefits, and to traditionally render professional services for the organizational and personal growth.

SUMMARY

I registered for a Part-Time PhD in Computer Science and Engineering at GITAM University in 2021-2022 and successfully Completed Pre- PhD Examination with CGPA 8.38 in 2023-2024

Masters in Computer Science (M.Tech) Specialization in Artificial Intelligence and Robotics (AI&R) and Masters in Electronics M.Sc.(Electronics) with 25 years of Teaching experience in which 14 years as Assistant Professor , 4 years as Senior Assistant Professor and 7 years as Associate Professor.

Member in the Indian Science Congress Association (ISCA), Kolkata.

Actively participated and presented a paper on “Study on Neural Networks” in 95th Indian Science Congress Association (ISCA) held in Visakhapatnam during 3rd – 7th Jan 2008.

WORK EXPERIENCE

Working as an Assistant Professor in the Department of Computer Science Engineering Gayatri Vidya Parishad College for Degree & PG Courses(A), Visakhapatnam From 15th December 2022 onwards to till date.

Working as an Senior Assistant Professor in the Department of Computer Science Gayatri Vidya Parishad College for Degree & PG Courses(A), Visakhapatnam From 2nd July 2014 to 15th December 2022.

Worked as Associate Professor in the Department of Information Technology, Raghu Institute of Technology, Dakamarri, Visakhapatnam from 26th August 2008 to 30th May 2014.

Worked as Assistant Professor in the Department of Electronics G.V.P. Degree & PG College, Visakhapatnam from 12th September 2001 to 21st August 2008.

EDUCATIONAL QUALIFICATION

Education	Institute	Year of passing	Percentage
Ph.D (Pursuing) in Computer science and Engineering	GITAM UNIVERSITY	PRE Ph.D COMPLETED WITH CGPA 8.38	
M.Tech(CST) Specialization in AI & R	Andhra University College of engineering, Andhra University, Visakhapatnam.	2008	74.45%
M.Sc(Electronics)	G.V.P College for PG courses, Visakhapatnam	2001	69.03%
B.Sc(MPE)	G.V.P Degree College, Visakhapatnam	1999	70.02%
Intermediate	IPE Board	1996	68.00%
Matriculation	Andhra University	1994	57.00%

RESEARCH ACTIVITIES

Presented a research paper entitled “Performance Analysis of Variants of AES Cryptosystem” at the 4th International Conference on Data Science and Management (ICDSM-2025), held at Gandhi Institute for Education and Technology, Bhubaneswar, India, on 19th and 20th December 2025. The conference proceedings are Scopus indexed.

Paper Published an article entitled “Hybrid Ensemble Feature Selection Using Symmetrical” International Journal of Computing and Digital Systems 2025, VOL. 17, NO. 1, 1–8 (*Scopus indexed and Q3*)

URL Link:<https://hdl.handle.net/20.500.14536/5803>

DOI:<http://dx.doi.org/10.12785/ijcde/1571111337>

Volume 17,Page No:1-8 ISSN: 2535-9886

Paper Published an article entitled “A Novel Lucas-based Clustering Optimization for Enhancing Survivability in Smart Home Design” Engineering, Technology & Applied Science Research Vol.15,No.1,2025,19903-19909.(Scopus indexed and Q2)

URL Link :<https://etasr.com/index.php/ETASR/article/view/9232>

DOI: <https://doi.org/10.48084/etasr.9232>

Volume 15 Page No:19903-19909 ISSN :1792-8036

Paper Published an article entitled "Optimizing Network Systems: A Study of Star, Wheel, Ring and Mesh Topologies in Real-world Applications" The Journal of Computational Science and Engineering, ISSN: 2583-9055 Volume : 3 Issue: 5 Month: May Year: 2025(*Google Scholar Indexed*)

Published an article entitled “A Comprehensive Analysis of Lucas Numbers and Their Flexibility in Trimetric Graph Optimization for Revealing Latent Relations” The Journal of Computational Science and Engineering, ISSN: 2583-9055 Volume :2 Issue: 8 Month: October Year: 2024

Paper published on A NOVEL IMPLEMENTATION OF PEDESTRIAN DETECTION USING HOGD AND SVM ALGORITHMS The Journal of Computational Science and Engineering. ISSN: 2583-9055 Volume:1, Issue: 2 September 2023

Paper published on An Image Encryption Technique Based on Logistic Sine Map and an Encrypted Image Retrieval Using DCT Frequency,

Recent Trends in Intensive Computing

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Paper published on Intelligent Traffic Monitoring System by Using ZIGBEE and VANET Technology International Journal of Computer Science and Engineering Volume 8, Issue-7,July 2020.

Paper published on Tea algorithm based industrial automation system using xbee's International Journal of Computer Science and Engineering Volume 6, Issue-7, July 2018.

Paper published on Pumping lemma for Regular and Context free Languages and Ogden's Lemma for Context free Languages International Journal of Computer Applications (0975 – 8887) Volume 39– No.10,February 2012

Participated in 95th ISCA (Indian Science Congress Association) held in the month of Jan 2008 at Andhra University, Visakhapatnam

Recognized as a co-author for a book titled by Fundamentals Of Computers published by Himalaya Publishing

Developed shell scripts to automate Hadoop and Hive installation, configuration, and deployment in Big Data environments

PATENT TITLE:

“SYSTEM AND METHOD FOR SECURE COMPUTATION THROUGH SECRET SHARING AND ZERO-KNOWLEDGE PROOFS”

Application Number:202441005167

Date of Filing:25-01-2024

Date of Publication:09-02-2024

NPTEL CERTIFICATES

Awarded **Elite + Silver** NPTEL Online Certification for successfully completing the course **Introduction To Machine Learning - IITKGP** with a consolidated score of 80% examination held in the month of Jul -Sep 2024.

Awarded **Elite + Gold** NPTEL Online Certification for successfully completing the course **Foundation of Cloud IoT Edge ML** with a consolidated score of **90% Top Topper 1%** examination held in the month of Feb-Apr 2024.

Awarded **Elite+Silver** NPTEL Online Certification for successfully completing the course **Research Ethics** with a consolidated score of 86% examination held in the month of February 2023.

Awarded **Elite + Silver** NPTEL Online Certification for successfully completing the course **Introduction to Internet of Things** with a consolidated score of 84% examination held in the month of Jul -Oct 2023.

Awarded NPTEL Online Certification for successfully completing the course **Social Networks** with a consolidated score of 52% examination held in the month of Jan -Apr 2023

Awarded **Elite + Silver** NPTEL Online Certification for successfully completing the course **Introduction to Research** with a consolidated score of 84% examination held in the month of Aug -Oct 2022

Awarded **Elite** NPTEL Online Certification for successfully completing the course **Computer Architecture and Organisation** with a consolidated score of 64% examination held in the month of Jan -Apr 2019.

MEMBERSHIP CERTIFICATES

Membership Certificate :This is to recognize you as a life member of The Journal of Computational Science and Engineering [ISSN: 2583-9055] with a membership ID: LM_JCSE_005

Membership Certificate :This is to recognize you as a life member of The Indgiants Association of Educators & Professional Trainers. This membership is awarded for his significant contributions towards the association and the field of education.

Membership Certificate :This is to certify that Rajana Kanaka Raju having fulfilled the requirements for Professional Membership has been admitted as a member of Association for Computing Machinery

Membership Certificate :This is to certify that Rajana Kanaka Raju having fulfilled the requirements for IAENG Membership with Member Number :534789 (since 2 October 2025) ,website link <http://www.iaeng.org/membership.html>

SEMINARS/WORKSHOPS

Successfully participated in the Seminar on Secure Software Development Life Cycle Practices held on 30 of December 2025, conducted by **C-DAC, Hyderabad & IIT Bhilai**, in association with GITAM, Visakhapatnam and supported by the Ministry of Electronics & Information Technology, Government of India

Successfully participated & completed **AICTE Training And Learning (ATAL)** Academy Faculty Development Program on Quantum Computing with Artificial Intelligence: Convergence and Applications at GAYATRI VIDYA PARISHAD COLLEGE FOR DEGREE AND PG COURSES from 25/08/2025 to 30/08/2025.

Successfully participated & completed one week **AICTE Training And Learning (ATAL)** Academy Faculty Development Program on NEXT GEN SOLUTIONS FOR MEDICAL CHALLENGES POWERED BY AI BASED INTELLIGENT SYSTEMS at MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY from 16/12/2024 to 21/12/2024.

Successfully completed the NEP 2020 Orientation & Sensitization Programme under Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission (UGC) Organized by UGC-MMTTC,Andhra University,Visakhapatnam from 05-02-2024 to 14-02-2024

TWO-Day National Conference on "Computational Intelligence and Sustainable Systems [NCCISS-2024] on 13th - 14th April 2024.Presented a paper entitled "A Comprehensive Analysis of Lucas Numbers and Their Flexibility in Trimetric Graph Optimization for Revealing Latent Relations" held at GVPCDPGC(A),Visakhapatnam,A.P,India.

Successfully completed the one week Online International Workshop on “Introduction to Machine Learning and Deep Learning (Hands-on)” organized by Department of CSE In Association with Directorate of Faculty Development Cell, JNTUGV from 31 July - 05 August 2023.

Successfully completed the 5-day Online FDP on the theme “Inculcating Universal Human Values in Technical Education” organized by All India Council for Technical Education (AICTE) from 3rd April to 7th April 2023.

QAC-APSCHE: Specialised Skilling Solution P.B. Siddhartha College of Arts and Science, Vijayawada — July 20, 2023

Acted as a Mentor in the Nation-wide Entrepreneurship challenge HUNAR 2.0 – IN SEARCH OF GEN Y ENTREPRENEURS organized BY jaro Education in association with IFEEEL Institute , Lonavala held in the year 2018-19

IBM Rational Software Architect Designer GVP College for Degree and PG Courses (Autonomous) — November 29–30, 2018

RPA Explorer (in association with UiPath) GVP College of Engineering, Madurawada, Visakhapatnam — November 16, 2019

Proven Strategies for Effective Teaching Jawaharlal Nehru Technological University Kakinada (JNTUK), Kakinada — January 2–4, 2012

Interfacing through Microprocessors GVP College of Engineering, Madurawada, Visakhapatnam — October 28–30, 2010

Embedded Systems and Digital Signal Processing GVP Degree and PG Courses, Visakhapatnam — April 12, 2008

Mixed Signal Processing and Recent Advances in Electronics Andhra University, Visakhapatnam — April 21, 2006

Low Power VLSI Design and Technology Andhra University, Visakhapatnam — February 3, 2007

SUBJECTS TAUGHT

- Systems Programming
- Operating Systems (Theory and lab) for B.Tech. and M.Tech
- Computer Networks
- Data Structures using C,CPP and JAVA (Theory and lab)
- C Programming in Numerical Methods(Theory and lab)
- Software Engineering
- Microprocessor-I & II(Theory and lab)
- Digital Logic Design
- Computer Organization
- Big Data Analytics
- Internet of Things
- Wireless Sensor Networks

PROJECTS GUIDED

- “ENT EXPERT SYSTEM ” is done as a part of www.bharatgramarogya.net.
- Traffic Light Interface Using 8085 microprocessor kit mps-85.

- Stepper Motor Interface Using 8085 microprocessor kit mps-85..
- An efficient approach for traffic detection
- An efficient algorithm for securing smart cards
- An approach for restructuring of web pages

OTHER RESPONSIBILITIES

- In-charge H.O.D in the Dept. of Information Technology.
- Lab In-charge for Dept. of Information Technology.
- In-charge Training Placement Officer

PERSONAL DETAILS :

Name	Rajana Kanaka Raju
Father Name	Rajana Venkata Ramana
Date of Birth	28-02-1979
Gender	Male
Marital Status	Married
Present Address	Door No: 18-121/A, Port Colony, Adithya Nagar, Street No-4, Near Sri Venkateswara Swamy Temple, Nagarampalem Road, Madhurwada, Visakhapatnam-530048.
Nationality	INDIAN
Languages known	English, Telugu
Strengths	Hardworking and Positive thinking

DECLARATION :

I hereby declare that all the statements made in the above application are correct to the best of my knowledge and belief.

Date:

Station: Visakhapatnam

(R. KANAKA RAJU)