

RESUME

I. Lakshmi Narayana,
S/o I.Trivikrama Rao,
House no:12-95, Kilaru Street
Penamaluru ,A.P-521139.
Mobile: +91 80 99 52 62 69
Mail id: ilnarayana1226@gmail.com



Educational Qualifications:

Degree	Name of the Institute/university	University	Year of Passing	(%)marks
PhD	Andhra University	Andhra University	Enrolled in 2020	--
M.Tech(C.S.E)	V.R Siddhartha Engineering College	JNTUK	2014	9.10 CGPA (1st class with distinction)
B.Tech(I.T)	Gudlavalleru Engineering College	JNTUK	2010	74.20 (1st class with distinction)
Intermediate	S.E.R.M Govt., College	Board of Intermediate	2006	91.80 (1st class with distinction)
S.S.C	S.V.V G.R. Govt., High school	Board of Secondary Education	2004	84.66 (1st class with distinction)

Work Experience: 14 years

- Working as an Assistant Professor in Artificial Intelligence & Data Science department from 31-08-2025 to Till Date.
- Working as an Assistant Professor in **Information Technology Dept, GUDLAVALLERU ENGINEERING COLLEGE from 16-5-2015 to 30-08-2025.**
- Worked as an Assistant Professor in computer science and engineering , **Dhanekula Institute of Engineering and technology from 19-2-2015 to 15-5-2015**
- Worked as part time faculty for **GATE** coaching classes in **S.S Engineers Academy from 10-1 2013 to 24-11-2014.**
- Worked as an Assistant Professor in **Information Technology Dept, GUDLAVALLERU ENGINEERING COLLEGE from 1-6-2010 to 30 -12-2012**

Achievements:

- Registered **part-time PhD** in **Andhra University** in the year **2020.**
- **Qualified in APRCET-2019**

- Qualified in **UGC-NET July 2016**
- Qualified in **APSET 2016**
- Qualified in **GATE 2012.**
- Certified with **A+ grade** by **Infosys** for attending Faculty Enablement Program as a part of **Infosys campus connect** in **May-2019 and in 2025 .**
- Successfully completed three levels (**Oral communication, Written communication and Scholarly communication**) of **Faculty Development program in English** conducted by **ELT center SRGEC.**
- Ratified as assistant professor from **JNTUK, Kakinada** in December **2015.**
- Stood branch topper in **M.Tech.**
- Stood one of the branch toppers in **B.Tech** and got **certificate of merit.**
- Stood college topper in **Intermediate** and got **certificate of merit.**
- Stood school second in **S.S.C** and got **certificate of merit.**

CERTIFICATIONS:

- ❖ **Problem Solving Through Programming in C** from **NPTEL** with **86 %** and **ELITE TOP 5%** grade.
- ❖ **Database Management Systems** from **NPTEL** with **86 %** and **ELITE TOP 5%** grade.
- ❖ **Introduction to Operating Systems TOP 5%** grade
- ❖ **Ethical Hacking** from **NPTEL** with **Elite +Silver** grade

RESPONSIBILITIES:-

- Department level NBA coordinator in AI&DS department
- Worked as course facilitator for the subject Data Structures to teach other branch faculty members organized by ASA,SRGEC.
- Completed In-House R & D project **Efficient electricity utilization and management using IoT.**
- Completed In-house R & D Project **KIOSK based Student Management System for Students and staff.**
- Department Time tables coordinator.
- Involved in NBA accreditation process (Criteria 1 and assistance to criteria 2 and 3).
- Involved in NAAC accreditation process- Criteria 7 coordinator
- Department Alumni coordinator.

RESEARCH PUBLICATIONS

(a) International Journals:

- (1) Narayana, L., & Vamsi, T. M. N. (2025). Integrated Audio–Visual Emergency Vehicle Detection for Autonomous Vehicles with Real-Time Response. *ITEGAM-JETIA*, 11(56), 148-156.
<https://doi.org/10.5935/jetia.v11i56.2727>.
- (2) Published a journal on “**System To Predict CO2 Emission Levels in Cars To Mitigate Air Pollution**” *The International journal of analytical and experimental modal analysis*, Volume **XIII, Issue VII, July/2021, ISSN NO:0886-9367**

- (3) Published a journal on “**Efficient Electricity Utilization and Management Using IoT**” Alochana Chakra Journal, Volume IX, Issue V, May/2020, ISSN NO:2231-3990.
- (4) Published a journal on “**Data Management in IoT Using Big Data Technologies and Tools**” International Journal of Engineering Science Invention (IJESI) Volume 7 issue January-2018.
- (5) Published a journal on “**Role of COOJA Simulator in IoT**” International Journal of Emerging Trends & Technology in Computer Science (IJETTCS), Volume 6, Issue 2, March – April 2017 and Paper Id :IJETTCS-2017-04-16-67.
- (6) Published a journal on “**Trends of IOT**” International Journal of Engineering Trends and Technology (IJETT) – Volume-43 Number-4 -January 2017 ISSN: 2231-5381 Impact Factor (2017): 1.656.
- (7) Published a journal on “**Smart vehicle management through IOT**” International Journal of Emerging Trends and Technology in Computer science (IJETTCS) ISSN (Online): 2278-6856 Impact Factor (2016): 5.663.
- (8) Published a journal on “**IOT for Health care**” International Journal of Science and Research (IJSR) ISSN (Online): 2319-7064 Index Copernicus Value (2013): 6.14 | Impact Factor (2014): 5.611.
- (9) Published a journal on “**Multimodality Video Representation**” International Journal of Engineering Research & Technology (IJERT) Vol. 1 Issue 5, July – 2012 ISSN: 2278-0181
- (10) Published a journal on “**Image Repossession Based on Content Analysis Focused by Color, Texture and Pseudo-Zernike Moments features of an Image**” in (IJCSIT) International Journal of Computer Science and Information Technologies, Vol. 3 (2) , 2012,3371 – 3377

(b) International Conferences/Symposium:

- (1) L. N. I and T. M. N. Vamsi, "Hybrid Lane Detection and Turn Prediction Framework using U-Net-based Lane Marking Visibility and Geometric Curve Analysis," *2025 International Conference on Modern Sustainable Systems (CMSS)*, Shah Alam, Malaysia, 2025, pp. 1194-1200, doi: 10.1109/CMSS66566.2025.11182539.
- (2) I. L. Narayana, G. Abhinay, D. Vinitha, B. Charan and B. V. V. Satyanarayana, "IoT-Enabled Health Monitoring Glove with Machine Learning-Based Risk Classification," *2025 IEEE Wireless Antenna and Microwave Symposium (WAMS)*, Chennai, India, 2025, pp. 1-5, doi: 10.1109/WAMS64402.2025.11158247.
- (3) Sobhan Babu, **Lakshmi Narayana I**, Hema Chindu, Poojitha Tatineni, Chitturi Prasad, Bala Bhaskara Rao Emani .”The Graph - A Decentralized Query Protocol for Block chain Technology” International Conference on Inventive Research in Computing Applications(ICIRCA-2021),2-4 September-2021 IEEE EXPLORE COMPLIANT ISBN:978-0-7381-4627-0
- (4) **I.LakshmiNarayana**,S.Vasavi, V.Srinivasa Rao.” User Aided Approach for Shadow and Ghost Removal in Robust Video Analytics”.Emerging ICT for Bridging Future of CSI-2014, **Springer**-Advances of Intelligent Systems and Computing VOL.337, ISBN 978-3-319-13731-5.

C) PATENTS Published: 1

Patent number: 2021102050

Title of invention:

A SYSTEM AND THE METHOD FOR EFFICIENT COMMUNICATION BETWEEN IOT DEVICES IN

HETEROGENEOUS IOT ENVIRONMENT USING ML

Name of inventor(s):

Srinivasu Kumar, Battina; Satyala, Narayana; Santhi, S. G.; Inampudi, Lakshmi Narayana; Badugu, Sobhanbabu; Rao, Ch.Venkateswara; Kousik, K.Subrahmanya; Vetagiri, Advaita and Yadlapalli, Kasiviswanadham

Term of Patent:

Eight years from 20 April 2021

Projects guided :

UG LEVEL: 17 PG LEVEL: 1

Workshops attended:

- Successfully completed Online Faculty Development Program on AWS Cloud Computing from 22nd June to 26th June 2020 organized by APSSDC.
- Participated in “Blockchain Technologies”, from 9th June-13th June, 2020 conducted by Department of CSE & IT Gudlavalleru Engineering College in association with CSI.
- participated in a 2-day Online Faculty Development Program on “Mathematical Documentation and computation using Online Tools” from 28th May to 29th May 2020 organized by St. Mary’s College (Autonomous), Thoothukudi, Tamil Nadu. India
- Successfully attended the IT Live webinar on “A kickstart to AWS cloud” on May 24, 2020. Conducted by Department of Information Technology, PSNA college of Engineering, Dindigul.
- participated in a 5-Day-National Level Online Faculty Development Program on ARTIFICIAL INTELLIGENCE from 22nd May to 26th May 2020 organized by Department of CSE & IT, BVRIT, Hyderabad in association with NYCI & Brainovision Solutions India Pvt. Ltd
- Participated in Two-Week Online Faculty Development Program on “Data Science using Python” from 15-05-2020 to 24-05-2020 conducted by Department of CSE, LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING.
- Participated in “Webinar on Product Development”, on 23rd May, 2020 conducted by Department of CSE, PRATHYUSHA ENGINEERING COLLEGE CHENNAI.
- Participated in “Webinar on Advanced IoT Applications – A Practical Approach”, an online training program offered remotely on 23rd May, 2020 conducted by Department of CSE, LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING.
- Participated in a five day Online Faculty Development Program on “ Data Science and Cloud Computing “ Organized by the Department of Computer Science and Engineering, Chebrolu Engineering College from 18/May/2020 to 22/May/2020 .
- Successfully attended the IT Live webinar on ““HOW TO PREPARE A GOOD RESEARCH GRANT PROPOSAL?”” on May 20, 2020. Conducted by Department of Information Technology, PSNA college of Engineering, Dindigul.

- Successfully completed online quiz on "COVID-19 AWARENESS" on 19-May-2020 conducted by DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING in Association with CSI, MOUNT ZION COLLEGE OF ENGINEERING and Technology,Tamilanadu.
- Participated in the online WEBINAR on "How the AGRI and IoT get Connected" on 19th May 2020 conducted by Mohammed Sathak Engineering College ,chennai.
- Participated in the online WEBINAR on "Crypto currencies and Blockchain" on 19th May 2020 conducted by dept.of CSE,Chalapathi Institute of Engineering and Technology,LAM,GUNTUR.
- Successfully completed online quiz on "Operating System" on 19-May-2020 conducted by DEPARTMENT OF COMPUTER ENGINEERING, Bharati Vidyapeeth's College Of Engineering Lavale, Pune
- Successfully completed online quiz on "Information Communication Technology(ICT)" on 18-May-2020 conducted by Bharat College of Engineering, Badlapur.
- Successfully completed online quiz on "Internet of Things" on 18-May-2020 conducted by DEPARTMENT OF COMPUTER ENGINEERING, Noorul Islam Center for Higher Education,Kumaracoil,Tamilanadu
- Participated in the two days online FDP on "Cyber Security in COVID-19 pandemic and post pandemic"Research challenges and opportunities organized by department of Master of Computer Application,G.L.Bajaj institute of Technology and Management from 16-5-2020 to 17-5-2020
- Participated in "Webinar on Node.js", an online training program offered remotely on 17-May-2020 conducted by Department of CSE,LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING.
- Participated in "Webinar on Speech Signal Processing", an online training program offered remotely on 17-May-2020 conducted by LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING.
- Participated in the online WEBINAR on "Introduction to Cloud Computing using Microsoft Azure" on 16th May 2020 conducted by VSM COLLEGE OF ENGINEERING RAMACHANDRA PURAM.
- Participated in the online WEBINAR on "Innovation at speed with hybrid cloud" organized by the Department of Electronics and communications Engineering on 16th May 2020 conducted by PSNA COLLEGE OF ENGINEERING & TECHNOLOGY,DINDIGUL.
- participated in the WEBINAR on "e-vehicles for sustainable transportation" organized by the Department of Mechanical Engineering on 14th May 2020 conducted by GEETHANJALI INSTITUTE OF SCIENCE & TECHNOLOGY NELLORE.
- completed online Faculty Program on NBA on 12/05/2020, with a passing score of 75% organized by Bharati Vidyapeeth College Of Engineering, Navi Mumbai.
- Participated in one day online webinar on" The Future of Skills - Education, Employment & Entrepreneurship " on 12/05/2020 conducted by ICT Academy.
- participated in "A Webinar on Virtual Classroom Management using Microsoft Teams", an online training program offered remotely on 11/05/2020 conducted by LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING.
- Participated in one day online webinar on" The Future of Skills - Education, Employment & Entrepreneurship " on 11/05/2020 conducted by ICT Academy.

- Attended 5-day Teacher training webinar conducted by NITTR during **25th February 2019 to 29th February 2019** at **Gudlavalleru Engineering College, Gudlavalleru.**
- Participated in **5-day** workshop **Machine Learning** in collaboration with IUCEE during **26th Dec'18 to 30th Dec'18** at Velagapudi Ramakrishna Siddhartha Engineering College, Vijayawada.
- Participated in one week workshop on **Machine Learning-Recent trends and applications** conducted by NIT ,Warangal from **3rd February-8th February 2018** at Gudlavalleru Engineering College, Gudlavalleru.
- A two day Hands-on workshop on **IPV4 & IPV6** organized by Department of Information Technology at Gudlavalleru Engineering College from **24th-25th November-2017.**
- A two day workshop on **“Soft Computing Techniques”** organized by Department of Computer Science and Engineering at Gudlavalleru Engineering College from **21st - 22nd June 2017.**
- A two day DST SPONSORED FACULTY DEVELOPMENT PROGRAM ON DATA SCIENCE **From 28-10-2017 to 30-01-2017** at **Nagarjuna University, Guntur.**
- Participated in one week workshop on **"Big Data Analytics"** held at Gudlavalleru Engineering College, Gudlavalleru organized by CSE Department on **14th - 19th November, 2016**
- Participated in two days workshop held at Gudlavalleru Engineering College, Gudlavalleru, on **Windows Azure** organized by department of CSE from **21st -22nd march 2016.**
- Participated in three days workshop held at Gudlavalleru Engineering College, Gudlavalleru, on **"Big Data Analytics"** from **25th to 27th February 2016.**
- Participated in two day workshop on **"Internet of Things"** held at Gudlavalleru Engineering College, Gudlavalleru organized by CSE Department on **27th -28th November 2015.**
- Participated in two day workshop on **"Ethical Hacking"** held at Gudlavalleru Engineering College, Gudlavalleru organized by IT Department on **6th -7th October 2015.**
- Attended a one day seminar on **“Selenium using Python”** on **4th September 2015** Conducted by IT Department of Gudlavalleru Engineering College, Gudlavalleru.
- Participated in two day workshop **held at Vasavi Engineering College, Hyderabad on “Internet of Things” held on 21st & 22nd August 2015.**

Strengths:

- Listening, being aware of student emotions and behaviour at all times, and compassion for Struggling students.
- Organization, time management, discipline, and lesson planning.

Declaration: I do hereby declare that all the information given above is true to the best of my knowledge and belief.

Place: Gudlavalleru

Date: 22-12-2025

(I.Lakshmi Narayana)