

# Dr. T. Aditya Sai Srinivas Ph.D

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## Career Objective

Seeking lecturer position to contribute through diverse skills, solid education, and commitment to excellence in teaching and research.

## Research Interests

Internet of Things(IoT), Machine Learning(ML), Data Science(DS).

## Academic Profile

- 2017–2023 **Doctorate in [CSE-IoT]**, VIT University, Vellore, Tamil Nadu  
Thesis title: *Mitigation of Routing Attacks In IoT Environment Using Meta-Heuristic Optimization Algorithms*
- 2010–2012 **Master of Technology in [CSE]**, Rajeev Gandhi Memorial College of Engineering and Technology, Nandyala, Andhra Pradesh
- 2004–2008 **Bachelor of Technology in [CSE]**, G. Pulla Reddy Engineering College, Kurnool, Andhra Pradesh
- 2002–2004 **Intermediate[MPC]**, Narayana Junior College, Kurnool, Andhra Pradesh
- 2002 **SSC**, CRRHS, Kurnool, Andhra Pradesh

## Teaching Experience

- 2023-Oct– **Head AIML**, Jayaprakash Narayan Colleg of Engineering, MBNR, Telangana  
Till Date
- 2022-Dec– **Associate Professor**, Ashoka Women's Engineering College, Kurnool,  
2023 Sep Andhra Pradesh
- 2020-Nov– **Assistant Professor**, G. Pullaiah College of Engineering and Technology,  
2022-Jul Kurnool, Andhra Pradesh
- 2017-Mar– **Teaching Research Assistant**, VIT, Vellore, Tamil Nadu  
2020-Nov

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2013-Jul– **Assistant Professor**, *Rajeev Gandhi Memorial College of Engineering and Technology*, Nandyal, Andhra Pradesh  
2012-Jun– **Assistant Professor**, *Ravidra College of Engineering for Women*, Kurnool, Andhra Pradesh  
2013-Jul  
2008-Jun– **Lecturer**, *Sai Sree Degree College*, Dhone, Andhra Pradesh  
2010-Jul

## Technical Skills

Python, C.

## Academic Research Platforms

1. Google Scholar:<https://scholar.google.com/citations?authuser=1&user=VvnJp9kAAAAJ>
2. Researchgate:<https://www.researchgate.net/profile/T-Aditya-Srinivas/stats>
3. Orcid: <https://orcid.org/my-orcid?orcid=0000-0002-9801-5686>

## Board of Studies

1. Served as a Board of Studies (BoS) member for CSE, AIML, and DS, contributing to curriculum development and academic enhancements..

## Reviewer Experience

1. Springer Nature - Scientific Reports: Reviewed manuscript titled: Application And Optimization of Bp Prediction Model Driven By Internet Of Things In Tourism Education.**Scopus**.
2. Journal: Asian Research Journal of Agriculture; Title: Tokenization of Agricultural Assets: Strengthening Blockchain Security in Agri-Finance and Investment Models Against Fraud and Cyber Risks.
3. 2nd International Conference on Renewable Energy, Green Computing, and Sustainable Development (**ICREGCSD 2025**): Received a Certificate of Appreciation for reviewing papers.
4. Springer Nature - Scientific Reports: Reviewed manuscript titled: A Robust Lemuria Framework For Efficient Crop Prediction.**Scopus**.

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5. Springer Nature - Discover Artificial Intelligence: Reviewed manuscript titled: A Comprehensive Review Of the Methods Of Intelligent Diagnosis And Prediction Of COVID-19 Disease Using Machine Learning And Deep Learning Techniques. **Scopus**.
6. Journal: International Journal of Electrical and Computer Engineering (IJECE):Title: Computer Vision based Smart Overspeeding Vehicle Surveillance System. **Scopus**.
7. Springer Nature - Discover Artificial Intelligence: Reviewed manuscript titled Sugarcane Leaf Health Diagnosis Using Vision Transformers: A Deep Learning Approach. **Scopus**.
8. Springer Nature - Discover Computing: Reviewed manuscript titled Enhanced Clustered Federated Learning for Industrial Internet of Things.**Scopus**.
9. Springer Nature - Discover Computing: Reviewed manuscript titled Enhanced Clustered Federated Learning for Industrial Internet of Things.**Scopus**.
10. Springer Nature - Discover Food: Reviewed manuscript titled WaveDeepCrop: Wavelet Enhanced Deep Learning Model for Noise-Resilient Crop Yield Forecasting;**Scopus**.
11. Reviewer for International Journal of Electrical and Computer Engineering; Title: Classification of plant leaf disease using convolutional neural network approach. **Scopus**.
12. Reviewer for IEEE Conference on Recent Advances in Sustainable Engineering and Future Technologies (RASEFT-2024) at MVSREC, Hyderabad.
13. Reviewer for 3rd International Conference on Intelligent Perception and Computer Vision (CIPCV 2025), Title:CV006 Fine-grained Action Segmentation Network Based on Boundary Perception.
14. Reviewer for International Journal of Informatics and Communication Technology. Title: Accident Alerting System. **Scopus**.
15. Journal: International Journal of Plant Soil Science; Title: Piriformospora indica suppresses natural incidence and severity of black leaf mold of tomato incited by Pseudocercospora

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fuligena over strobilurin and triazole fungicides with enhanced growth and yield.

16. Reviewer for IEEE Conference on Electrical Electronics and Computing Technologies held at Sharda University, August 29th - 31st 2024. **Scopus**.
17. Journal: Peer-to-Peer Networking and Applications (Springer Nature); Title: A Hybrid Heuristic-assisted Deep Learning for Secured Routing and Malicious Node Detection in Wireless Sensor Networks.
18. Journal: Journal of Advances in Biology Biotechnology; Title: Bioassay Studies of Feeding Treated Castor Leaves on Eri Silkworm.
19. Journal: Journal of Experimental Agriculture International; Title: Roving Survey of root rot disease (*Fusarium solani* f. Sp. *psii*) of pea in Rajasthan.
20. Journal: Springer Nature SNAPP; Title: A Hybrid Heuristic-assisted Deep Learning for Secured Routing and Malicious Node Detection in Wireless Sensor Networks.
21. Journal: Computer Methods and Programs in Biomedicine (Elsevier); Title: Survival Prediction in Second Primary Breast Cancer Patients with Machine Learning: a SEER analysis.
22. Journal: Indonesian Journal of Electrical Engineering and Computer Science; Title: Biomedical Image Classification Using Seagull Optimization With Deep Learning for Colon and Lung Cancer Diagnosis.
23. Journal: South Asian Journal of Social Studies and Economics; Paper Title: The Impact Of Turnitin Plagiarism Detection Test Software On Postgraduate Students Of Economics Education Integrity In Intellectual Pursuits.
24. Served as a reviewer for the "International Conference on Health Informatics, Intelligent Systems and Networking Technologies (HINT'24) organized by department of CSE by Manipal Institute of Technology during 14 and 15th March 2024.
25. Served as a reviewer for the "Algorithms and Computational Theory for Engineering Applications (ICACTEA-2024)" international conference, hosted by Aditya Engineering College

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on February 2nd and 3rd, 2024.

26. Journal: Advances in Research; Paper Title: Exploring the Challenges of Artificial Intelligence in Data Integrity and Its Influence on Social Dynamics.
27. Journal: International Journal of Environment and Climate Change; Paper Title: Geospatial Interpolative Analytics of Gauged Rainfall in Network under Semi-arid Situation of Krishna Basin on a Watershed Scale.
28. Journal: Asian Journal of Medicine and Health; Paper Title: The Pros and Cons of the Impact of Artificial Intelligence in Anesthesia: Remote Pre-operative Assessment and Perioperative Care.
29. Journal: IGI Global; Paper Title: Power-Aware Virtualization: Dynamic Voltage Frequency Scaling Insights and Communication-Aware Request Stacking.
30. Journal: IGI Global; Paper Title: AI Solutions for Green Computing and Digital Waste Management.
31. Journal of Knowledge in Data Science and Information Management; Paper title: Lane Detection in Automatic Cars.
32. Journal: Journal of Big Data Analytics and Business Intelligence; Paper title: Machine Learning Model to predict the prices of Agricultural Products.
33. B P International: <https://www.bookpi.org/>; Book Chapter: Leveraging Data Science in Education 4.0: Unraveling Technologies.
34. Journal: Journal of Artificial Neural Networks and Learning System; Paper title: A Review Paper on Li-Fi Technology.
35. Journal: Journal of Artificial Neural Networks and Learning System; Paper title: Survey On Enhancing Dialogue Agent Alignment via MiniLLM with Targeted Human Assessments.
36. Journal: Journal of Artificial Neural Networks and Learning System; Paper title: Sign

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Language and Gesture Recognition for Deaf People.

37. Journal: Journal of Artificial Neural Networks and Learning System; Paper title: Sign Language Recognition For Dumb Deaf People Using Python, Opencv and Tensorflow.
38. Journal: Journal of IoT-based Distributed Sensor Networks; Paper title: Revolutionizing Voting with Blockchain Decentralization.
39. Journal of Artificial Neural Networks and Learning System; Paper title: Investigative study on Variants of Context-Aware Risk Attribute Access Control.
40. Journal:Journal of Artificial Neural Networks and Learning System; Paper title: Comprehensive Sentiment and Fake Comment Analysis.
41. Journal: Journal of Artificial Neural Networks and Learning System; Paper title: Survey On Enhancing Dialogue Agent Alignment via MiniLLM with Targeted Human Assessments.
42. Journal: BP International; Paper Title: hare Loss Analysis of Internet Traffic Distribution in Computer Networks.

## ————— Empanelment on Editorial Board

1. Recent Trends in Androids and IOS Applications:  
<http://hbrppublication.com/OJS/index.php/RTAIA/about/editorialTeam>
2. Recent Trends in Computer Graphics and Multimedia Technology:  
[http://hbrppublication.com/Recent\\_Trends\\_in\\_Computer\\_Graphics\\_and\\_Multimedia\\_Technology\\_Editors.htm](http://hbrppublication.com/Recent_Trends_in_Computer_Graphics_and_Multimedia_Technology_Editors.htm)
3. Journal of Artificial Intelligence Research, Associate Editor: <https://thesciencebrigade.com/JAIR/about/editorialTeam>
4. Journal of Advance Research in Mobile Computing:  
[http://hbrppublication.com/Journal\\_of\\_Advance\\_Research\\_in\\_Mobile\\_Computing\\_Editors.htm](http://hbrppublication.com/Journal_of_Advance_Research_in_Mobile_Computing_Editors.htm)

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5. Journal of Advancement In Parallel Computing:  
[http://www.hbrppublication.com/Journal\\_of\\_Advancement\\_in\\_Parallel\\_Computing\\_Editors.htm](http://www.hbrppublication.com/Journal_of_Advancement_in_Parallel_Computing_Editors.htm)
6. Journal of Artificial Neural Networks and Learning System:  
<https://matjournals.com/Editorial-Journal-of-Artificial-Neural-Networks-and-Learning-System.html>
7. Journal of IoT-based Distributed Sensor Networks:  
<https://matjournals.com/Editorial-Journal-of-IoT-based-Distributed-Sensor-Networks.html>
8. Advancement Of Computer Technology And Its Applications:  
[http://hbrppublication.com/Advancement\\_of\\_Computer\\_Technology\\_and\\_its\\_Applications\\_Editors.htm](http://hbrppublication.com/Advancement_of_Computer_Technology_and_its_Applications_Editors.htm)
9. Recent Trends In Information Technology And Its Application:  
[http://hbrppublication.com/Recent\\_Trends\\_in\\_Information\\_Technology\\_and\\_its\\_Application\\_Editors.htm](http://hbrppublication.com/Recent_Trends_in_Information_Technology_and_its_Application_Editors.htm)
10. Journal Of Network Security And Data Mining:  
[http://hbrppublication.com/Journal\\_of\\_Network\\_Security\\_and\\_Data\\_Mining\\_Editors.htm](http://hbrppublication.com/Journal_of_Network_Security_and_Data_Mining_Editors.htm)
11. Journal Of Advancement In Software Engineering And Testing:  
[http://hbrppublication.com/Journal\\_of\\_Advancement\\_in\\_Software\\_Engineering\\_and\\_Testing\\_Editors.htm](http://hbrppublication.com/Journal_of_Advancement_in_Software_Engineering_and_Testing_Editors.htm)
12. Journal of Intelligent Data Analysis and Computational Statistics:  
<https://matjournals.com/Editorial-Journal-of-Intelligent-Data-Analysis-and-Computational-Statistics.html>
13. Recent Trends in Androids and IOS Applications:  
[http://hbrppublication.com/Recent\\_Trends\\_in\\_Androids\\_and\\_IOS\\_Applications\\_Editors.htm](http://hbrppublication.com/Recent_Trends_in_Androids_and_IOS_Applications_Editors.htm)

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Editors.htm

14. Journal of Knowledge in Data Science and Information Management:

<https://matjournals.com/Editorial-Journal-of-Knowledge-in-Data-Science-and-Information-Management-Editors.html>

15. Recent Trends in Computer Graphics and Multimedia Technology:

[http://hbrppublication.com/Recent\\_Trends\\_in\\_Computer\\_Graphics\\_and\\_Multimedia\\_Technology\\_Editors.htm](http://hbrppublication.com/Recent_Trends_in_Computer_Graphics_and_Multimedia_Technology_Editors.htm)

## Professional Achievements

1. Ratified faculty under **JNTUH**.
2. Ratified faculty under **JNTUA**.
3. Member in IFREL International Forum of Researchers and Lecturers. M.No: 2025010614405500552860.
4. Life Member in ISTE (Indian Society for Technical Education) M.No: LM88932.
5. Life Member in IAENG (International Association of Engineers) M.No: 377393.
6. Member in IEEE (Institute of Electrical and Electronics Engineers) Member number: 97494348.

## Research Publications

### SCI

1. Srinivas, T. Aditya Sai, and S. S. Manivannan. "Prevention of hello flood attack in IoT using combination of deep learning with improved rider optimization algorithm." Computer Communications 163 (2020): 162-175.
2. Thuluva, Aditya Sai Srinivas, Manivannan Sorakaya Somanathan, Ramasubbareddy Somula, Sankar Sennan, and Daniel Burgos. "Secure and efficient transmission of data based on

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Caesar Cipher Algorithm for Sybil attack in IoT." EURASIP Journal on Advances in Signal Processing 2021 (2021): 1-23.

3. Sankar, S., Ramasubbareddy Somula, Balakesavareddy Parvathala, Srinivas Kolli, and Srilatha Pulipati. "SOA-EACR: Seagull optimization algorithm based energy aware cluster routing protocol for wireless sensor networks in the livestock industry." Sustainable Computing: Informatics and Systems 33 (2022): 100645.
4. Srinivas, Aditya Sai T., Ramasubbareddy Somula, K. Govinda, Akriti Saxena, and Pramod A. Reddy. "Estimating rainfall using machine learning strategies based on weather radar data." International Journal of Communication Systems 33, no. 13 (2020)."
5. Srinivas, T., and S. S. Manivannan. "Black Hole and Selective Forwarding Attack Detection and Prevention in IoT in Health Care Sector: Hybrid meta-heuristic-based shortest path routing." Journal of Ambient Intelligence and Smart Environments 13, no. 2 (2021): 133-156.
6. Srinivas, T. Aditya Sai, and S. S. Manivannan. "Prevention of hello flood attack in IoT using combination of deep learning with improved rider optimization algorithm." Computer Communications 163 (2020): 162-175.

## ESCI

1. Srinivas, T. Aditya Sai, and SS Mani Manivannan. "Preventing collaborative black hole attack in IoT construction using a CBHA-AODV routing protocol." International Journal of Grid and High Performance Computing (IJGHPC) 12, no. 2 (2020): 25-46.
2. Ramasubbareddy, Somula, Evakattu Swetha, Ashish Kumar Luhach, and T. Aditya Sai Srinivas. "A multi-objective genetic algorithm-based resource scheduling in mobile cloud computing." International Journal of Cognitive Informatics and Natural Intelligence (IJCINI) 15, no. 3 (2021): 58-73.

## Scopus

1. R. Chandra Sekhar Reddy(1), T. Aditya Sai Srinivas(2)\*, Ashok Sarabu(3)\*, Gunisetty Ramasekhar(1)\*, Sangapatnam Suneetha(4)\* "Wormhole Detection Scheme With Adaptive Deep Neural Network And Hybrid Multi-Objective Mitigation For Internet Of Things",

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AJBR, vol. 27, no. 3, pp. 2452–2467, Dec. 2024, doi: 10.53555/AJBR.v27i3.5445.  
**Journal:** African Journal of Biomedical Research.

2. Venkata Ramana, K., Ramesh, B., Changala, R., Aditya Sai Srinivas, T., Praveen Kumar, K., & Bhavsingh, M. (2024). "Optimizing 6G network slicing with the EvoNetSlice model for dynamic resource allocation and real-time QoS management". International Research Journal of Multidisciplinary Technovation, 10.54392/irjmt24324.
3. T. Aditya Sai Srinivas, Ranjeet Yadav, V. Gowri, K. Chandraprabha, Sivakumar Ponnusamy, Dinesh Mavaluru, Development and implementation of unmanned vehicles through artificial intelligence involving communication system with sensors and control parameters, Measurement: Sensors, Volume 33, 2024, 101136, ISSN: 2665-9174, <https://doi.org/10.1016/j.measen.2024.101136>.
4. Gunisetty, Ramasekhar, Sura Sreenivasulu, Seethi Reddy Reddisekhar Reddy, T. Aditya Sai Srinivas, and Ashok Sarabu. "New Trend of Automobile Aspects on MHD of Hybrid Nanofluid Flow Over a Porous Stretching Cylinder: A Numerical Study." East European Journal of Physics 2 (2024): 249-255.
5. Naresh Kumar Bhagavatham, Bandi Rambabu, Jaibir Singh, Dileep P, T. Aditya Sai Srinivas, Bhavsingh; "Autonomic Resilience in Cybersecurity: Designing the Self-Healing Network Protocol for Next-Generation Software-Defined Networking ". International Journal of Computational and Experimental Science and Engineering, DOI:10.22399/ijcesen.640
6. Srinivas TAS, Thippanna G, Donald AD. Decoding destiny: Harnessing machine learning for breast cancer survival prediction. Indian Journal of Engineering, 2023, 20, e30ije1663.
7. T. Aditya Sai Srinivas, G. Mahalaxmi, R. Varaprasad. "A Comprehensive Survey of Techniques, Applications and Challenges in Deep Learning: A Revolution in Machine Learning". Journal: International Journal of Mechanical Engineering(May 2022).
8. Donald, A. David, M. Ravi Kumar, and T. Aditya Sai Srinivas. "A Concise Evaluation of Artificial Intelligence in Agriculture." Mathematical Statistician and Engineering Applications 71, no. 4 (2022): 8284-8288.
9. Aditya Sai Srinivas T1, Saumya2, Karthikeyan R3, Vijaya raj M3, Nirmal Kumar A4 and

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- Sangeetha M5. "Medical Image Denoising and Classification Based on Machine Learning: A Review", Journal: ECS Transactions, Publishers: IOP Science.
10. T Srinivas, Aditya Sai, Somula Ramasubbareddy, and K. Govinda. "Estimation of Web Vulnerabilities Based on Attack Tree and Threat Model Analysis." Journal of Computational and Theoretical Nanoscience 16, no. 5-6 (2019): 1993-2000.
  11. T Srinivas, Aditya Sai, Keerthi Sreekar, Somula Ramasubbareddy, and G. Kannayaram. "In-Patient Alert System in Hospital Using Twitter-Bot." Journal of Computational and Theoretical Nanoscience 16, no. 5-6 (2019): 1972-1976.
  12. T Srinivas, Aditya Sai, K. Govinda, Somula Ramasubbareddy, and E. Swetha. "Sentimental Analysis of Demonetization Over Twitter Data Using Machine Learning." Journal of Computational and Theoretical Nanoscience 16, no. 5-6 (2019): 2055-2058.
  13. Deelip, Mali Shrikant, K. Govinda, Somula Ramasubbareddy, E. Swetha, and Aditya Sai T Srinivas. "Analysis of Twitter Data for Prediction of Iphone X Reviews." Journal of Computational and Theoretical Nanoscience 16, no. 5-6 (2019): 2050-2054.
  14. Rao, Naga Praneswara, G. Kannayaram, Somula Ramasubbareddy, E. Swetha, and Aditya Sai Srinivas. "Software fault management using scheduling algorithms." Journal of Computational and Theoretical Nanoscience 16, no. 5-6 (2019): 2124-2127.
  15. Srinivas, T. Aditya Sai, Somula Ramasubbareddy, K. Govinda, and S. S. Manivannan. "Web image authentication using embedding invisible watermarking." In International Conference on Intelligent Computing and Smart Communication 2019: Proceedings of ICSC 2019, pp. 207-218. Springer Singapore, 2020.
  16. Ramasubbareddy, Somula, T. A. S. Srinivas, K. Govinda, and E. Swetha. "Sales analysis on back friday using machine learning techniques." In Intelligent System Design: Proceedings of Intelligent System Design: INDIA 2019, pp. 313-319. Springer Singapore, 2021.
  17. Ramasubbareddy, Somula, M. Manik, T. A. S. Srinivas, and K. Govinda. "Plants Nutrient Deficiency Identification Using Classification." In Intelligent System Design: Proceedings of Intelligent System Design: INDIA 2019, pp. 329-338. Springer Singapore, 2021.

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18. Aditya Sai Srinivas, T., Somula Ramasubbareddy, Adya Sharma, and K. Govinda. "Optimal Energy Distribution in Smart Grid." In Intelligent Data Engineering and Analytics: Frontiers in Intelligent Computing: Theory and Applications (FICTA 2020), Volume 2, pp. 383-391. Springer Singapore, 2021.
19. Srinivas, T. Aditya Sai, Somula Ramasubbareddy, Govinda Kannayaram, and CS Pavan Kumar. "Storage Optimization Using File Compression Techniques for Big Data." In FICTA (2), pp. 409-416. 2020.

## Conferences

1. "Optimizing Wind Farm Layout with Particle Swarm Optimization for Maximum Energy Harvesting", has been accepted for oral presentation at ICREPE 2025, organized by Renganayagi Varatharaj College of Engineering, Tamil Nadu, India, scheduled to be held on 10th and 11th January 2025. **IEEE Xplore- Accepted.**
2. "Optimization of Distributed Energy Resources with Quantum Inspired Algorithms", has been accepted for oral presentation at ICREPE 2025, organized by Renganayagi Varatharaj College of Engineering, Tamil Nadu, India, scheduled to be held on 10th and 11th January 2025. **IEEE Xplore- Accepted.**
3. Adaptive Swarm Intelligence Algorithms for Reducing Energy Consumption in IoT Devices", has been accepted for oral presentation at ICREPE 2025, organized by Renganayagi Varatharaj College of Engineering, Tamil Nadu, India, scheduled to be held on 10th and 11th January 2025. **IEEE Xplore- Accepted.**
4. "Improving Energy Efficiency in Data Centers with Ant Colony Optimization: A BioInspired Approach", has been accepted for oral presentation at ICREPE 2025, organized by Renganayagi Varatharaj College of Engineering, Tamil Nadu, India, scheduled to be held on 10th and 11th January 2025. **IEEE Xplore- Accepted.**
5. Protecting Medical Image Transmission: Color Secret Sharing Protocol For Enhanced Security in 2nd IEEE Conference on Artificial Intelligence and Quantum Computation - Based Sensor Applications (ICAIQSA-2024) held on 20th and 21st December , 2024

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organized by Department of Artificial Intelligence, G H Rasoni College of Engineering and Management, Nagpur. **IEEE Xplore- Accepted.**

6. National Conference: "Sips and Stats: Predicting Wine Quality with ML Algorithms" by M.Bharathi, T.Aditya Sai Srinivas, P.Ravinder; held by "Ashoka Women's Engineering College, Kurnool."
7. National Conference: "Machine Learning Meets Medicine: State-of-the-Art Algorithms for Drug Classification" by M.Bharathi, T.Aditya Sai Srinivas, P.Ravinder; held by "Ashoka Women's Engineering College, Kurnool."
8. "An Automatic Extraction of Features from Water Bodies by using Contrast Vision Transformer" 2nd IEEE International Conference on Integrated Intelligence and Communication Systems (ICIICS-2024) in association with IEEE Bangalore Section organized by Sharnbasva University, Kalaburagi. **IEEE Xplore- Accepted.**
9. "Dual Channel Convolutional Neural Network for Dementia Disease Prediction " has been Accepted for the 2nd IEEE International Conference on Integrated Intelligence and Communication Systems (ICIICS-2024) in association with IEEE Bangalore Section organized by Sharnbasva University, Kalaburagi. **IEEE Xplore- Accepted.**
10. Ahmed, Syed Thouheed, S. Bharath Bhushan, Aditya Sai Srinivas, Syed Muzamil Basha, and Bhaskar Reddy. "Estimating the impact of engineering education among students in India using machine learning and deep learning techniques." In AIP Conference Proceedings, vol. 2742, no. 1. AIP Publishing, 2024. <https://doi.org/10.1063/5.0185770>.
11. Rahman, Md Ziaur, M.A.Y. Peer Mohamed Appa, Vikrant Sharma, M. Balaji, A. Rajiv Kannan, and T. Aditya Sai Srinivas. "Development and performance analysis of Wolfram Alpha server based on Itanium architecture using deep learning in virtual platform." Institution affiliations as applicable. Journal: Taylor and Fransis, DOI: 10.1201/9781003559092-87.
12. R. Krishnamurthy, M. Mundher Adnan, S. Kumar V, T. Aditya Sai Srinivas and S. Aluvala, "Avoidance of Ship Collision Using Deep Reinforcement Learning with Bi-Directional Long Short-Term Memory in Continuous Action Spaces," 2024 International Conference on Data Science and Network Security (ICDSNS), Tiptur, India, 2024, pp. 1-4, doi: 10.1109/ICD-

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SNS62112.2024.10691249.

13. M. Al-Farouni, R. A C, S. V R, T. A. Sai Srinivas and R. Madhavi, "Stock Market Value Prediction Using Attention Based Long Short-Term Memory Model," 2024 International Conference on Data Science and Network Security (ICDSNS), Tiptur, India, 2024, pp. 1-4, doi: 10.1109/ICDSNS62112.2024.10691225.
14. P. Ravinder, T. Aditya Sai Srinivas, "Trending Emotions: Python For Twitter Sentiment Analysis", 9th International Conference On Technical Advancements In Computer Science And Engineering (Ictacse-2024), Malla Reddy Engineering College For Women, Hyderabad, India, 2024, pp. 432-436.
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21. SomulaRamasubbareddy, SreenivasuluVajjala, Govind, Rajkumar.R, Aditya Sai Srinivas.T. “Shortest Job First and Priority Based Hybrid Algorithm for Cloud”. (Presented in CCODE-2018).
22. T. Aditya Sai Srinivas,SomulaRamasubbareddy, Bhuvaneshwari.P, Manivannan.S. S,& Govind.k, “Task scheduling Using PSO and GA in Cloud Computing”.(Presented in CCODE-2018).
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24. T. Aditya Sai Srinivas,SomulaRamasubbareddy, Govind.k, Manivannan.S.S&.B., “Prediction of Heart Disease Using Data Mining Techniques”(Presented in RCDDS-2018).
25. Pramod Reddy.A, Manish Sharma, Govinda K, SomulaRamasubbareddy, Rajkumar.R, & Aditya Sai Srinivas, “Number Plate Reorganization Using Image Processing Techniques” (Presented in CNET-2018).
26. Ramasubbareddy, Somula, T. Adityasaisrinivas, K. Govinda, S. S. Manivannan, and E. Swetha. "Analysis of load balancing algorithms using cloud analyst." Int J Recent Technol Eng 7, no. 6 (2019): 684-687.
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## ———— Book Chapters

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1. Swathi, R., M. Prabha, Ravichandran Sekar, A. Basi Reddy, T. Aditya Sai Srinivas, and R. Senthamil Selvan. "Integration of AI and IoT Used to Manage and Secure the Renewable Energy Management in the Environment." *Sustainable Smart Homes and Buildings with Internet of Things* (2025): 235-252. <https://doi.org/10.1002/9781394231522.ch14>.
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7. Kumarnda Arun Bhukya, Somula Ramasubbareddy, K Govinda and T Aditya Sai Srinivas (2019). "Adaptive Mechanism for Smart Street Lighting System". in *Smart Intelligent Computing and Applications*, Springer.
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10. T. Aditya Sai Srinivas, SomulaRamasubbareddy, Govinda.K & Manivanan.S.S, "Comparative Study of Clustering Techniques in Market Segmentation".Innovations in Computer Science and Engineering proceedings of 7th ICICSE, Springer.
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## Peer Reviewed Journals

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2. Shaankari, S., D. Rohini, M. Nikesh, M. Bharathi, and T. Aditya Sai Srinivas. "Sick Leaves, Smart Solutions: Deep Learning in Plant Care." DOI: <https://doi.org/10.48001/JoFSN.2024.2223-29>
3. Bharathi, M., T. Aditya Sai Srinivas, and P. Ravinder. "YOLOv8 on the Road: Next-Level Perception for Autonomous Vehicles.Journal of Image Processing and Image Restoration"; DOI: <https://doi.org/10.48001/JoIPIR.2024.1217-23>
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16. Srinivas, T. Aditya Sai. "Breathing Easy: A Python Dive into Air Quality Analysis." *Research & Review: Machine Learning and Cloud Computing* (e-ISSN: 2583-4835) 3, no. 1 (2024): 22-28.
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26. T. Aditya Sai Srinivas, & M. Bharathi. (2025). The Global Patient: Understanding COVID-19's CrossBorder Dynamics. *Recent Trends in Information Technology and Its Application*, 8(1), 14–30. <https://doi.org/10.5281/zenodo.13841664>
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34. M. Bharathi, M. Bhuvaneshwari, & T. Aditya Sai Srinivas. (2024). Breaking Barriers to Research the Role of Google Scholar. *Research and Reviews: Advancement in Cyber Security*, 1(1), 32–39. <https://doi.org/10.5281/zenodo.10633502>
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MoU

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1. Secured a Memorandum of Understanding (MoU) with SR University, Warangal, for collaborative research and Ph.D. guideship opportunities.
2. Secured a Memorandum of Understanding (MoU) with IFREL, Indonesia, for collaborative research opportunities.

## Patents

1. Application number: 202411002924; Patent Title: "Deep Learning Based Approaches For Student Performance Prediction And Education Based Outcome Improvement". **Status:** Published.
2. Application number: 202441000552; Patent Title: "Deep Learning Framework For Image-Based Breast Cancer Detection". **Status:** Published.
3. A Design patent on "An Electric Bicycle" Application Number:351409-001, **Status:** Published.
4. A patent on "IoT based fully autonomous personal service robotics device", Application Number:202141048445, **Status:** Published.
5. A patent on "Dynamic device management framework for smart industries using Oma-Dm IoT protocol", Application Number: 202141005635, **Status:** Disposed.
6. A patent on "Secured Mutual authentication Protocol using Physical Unclonable function (PUF) for IOT smart home devices", Application Number: 202041056988, **Status:** Disposed.

## Certifications

1. Writing Skills, April 2024 by Elsevier.
2. Fundamentals of peer review, February 2024 by Elsevier.
3. Web of Science Essentials, February 2024 by Clarivate.

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4. Google Cloud Fundamentals: Core Infrastructure, March 2022, Coursera.
5. Essential Google Cloud Infrastructure: Foundation, March 2022, Coursera.
6. Elastic Google Cloud Infrastructure: Scaling and Automation, April 2022, Coursera.
7. Reliable Google Cloud Infrastructure: Design and Process, April 2022, Coursera.

## Workshops Organized

1. Hosted a 2-day workshop on "Computer Networks Simulation" in RGM CET on September 29th and 30th 2015.
2. Hosted a 2-day workshop on "Network Traffic Analysis" in RGM CET on March 15th and 16th 2016.
3. Hosted a 2-day workshop on "Network Packet Analysis" in GPCET on March 25th and 26th 2016.

## Workshop's & FDPs Attended

1. Attended a one-day workshop on "Design of Curriculum Course Structure of UG Engineering Programme" at JNTU, Hyderabad, on 8th January 2025.
2. Attended a one-day Bridge Conference at 15th November 2024.
3. Attended a one-day workshop on "Research Guidance" at JNTU, Hyderabad on 15th October 2024.
4. Attended a 1-week FDP on "Assimilation of Indian Knowledge Systems with NEP-2020: Prospect and Retrospect" organized by H & S, BVRIT Hyderabad College of Engineering for Women, From 30th July to 04th August 2024.
5. Attended a 1-week FDP on "Emerging Tools and Techniques in Cloud Computing and Data Science" organized by CSE, Narasimha Reddy Engineering College, Hyderabad, From 19th February to 24th February 2024.

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6. Attended a 1-week PDP on "Deep Learning for Computer Vision and its Applications" organized by CSE, VNRVJIET, Hyderabad. From 06th February to 11th February 2024.
7. Attended a 6-day FDP on "Research Advancements in Natural Language Processing" organized by Chaitanya Bharathi Institute of Technology, Hyderabad. From 29th January 2024 to 05th February 2024.
8. Attended a National Workshop on Research Methodology (NWRM-2023) organized by Department of Physics, SRM Institute of Science and Technology, Chennai. From 12th-19th December 2023.
9. Attended a 5-day FDP on "Machine Learning Algorithms and its Applications" organized by G. Pulla Reddy Engineering College, Kurnool. From 10th July 2023 to 14th July 2023.
10. Attended a 5-day FDP on "Amazon Web Services" organized by G. Pulla Reddy Engineering College, Kurnool. From 22nd August 2022 to 27th August 2022.
11. Attended a 5-day FDP on "Cloud Computing and its Applications" organized by G. Pulla Reddy Engineering College, Kurnool. From 28th November 2022 to 03rd December 2022.
12. Participated in one-week faculty development program on "An Innovative Research Trends in Data Science Using R Programming" organized by Shantiram Engineering College, Nandyal. May 2020.
13. Participated in two-week faculty development program on "Cyber Security and Blockchain Technology" by SRIT, Ananthapuramu.
14. Attended a 3-day workshop on "Cloud Computing" organized by JNTU college of engineering, Pulivendula in April 2014.
15. Attended a 2-day workshop on "IBM Bluemix" organized by RGM CET, Nandyal in June 2015.
16. Attended a 2-day workshop on "Internet of things" organized by RGM CET, Nandyal in August 2016.

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17. Attended a 2-day workshop on “Cyber Security” organized by VIT University, Vellore in September 2017.
18. Attended a 2-day workshop on “Latex” organized by SVIT Engineering College, Bangalore in July 2018.
19. Attended a 3-day workshop on “Network Simulation using NS-3” organized by Kongu Engineering College, Erode in August 2018.

## Strengths

1. Strong faculty qualification, dedicated, good collaboration and communication among faculty.
2. Strong department-level support for faculty research activities.
3. Strong research potential with proven records of high-quality research; active faculty publication activities.

## References

1. **M. Bharathi**

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