

**Dr. P. ANUSHA , MCA.,M.Phil.,DGT.,Ph.D.,**

Assistant Professor & Head

Department of Computer Applications

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**CAREER OBJECTIVE**

- Deliver engaging undergraduate and postgraduate courses in computer science and AI, incorporating innovative methods to boost student engagement in hackathons and internships, enhancing their practical skills and employability, and satisfaction rates above 95%.
  - Conduct high-impact research in AI frameworks.
  - Engage in administrative tasks like program assessment and community outreach using time-management strategies to balance duties.
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**ACADEMIC DETAILS**

- Awarded Ph.D. Computer Applications, Noorul Islam Centre for Higher Education, Kanyakumari (2025), titled “Effective Computation offloading techniques in Mobile Edge Computing”.
  - Completed Diploma in Gandhian Thoughts from Madurai Kamaraj University (2019).
  - Achieved M.Phil. in Computer Science, first class, Vinayaka Mission University (2009).
  - Obtained MCA in Computer Applications, first class, Manonmaniam Sundaranar University, Tirunelveli (2007).
  - Secured BCA in Computer Applications, second class, Manonmaniam Sundaranar University, Tirunelveli (2004).
  - Completed Diploma in Electrical and Electronics Engineering, first class, Technical Education Board (2001).
  - Earned SSLC from Sarah Tucker Higher Secondary School, Palayamkottai (1998).
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**WORK EXPERIENCE**

- Serving as Assistant Professor and Head, Department of Computer Applications at Sri Sarada College for Women (Autonomous), Tirunelveli, from December 2008 to present, spanning over 17 years.
  - Administrative work experience: NSS Programme Officer (2025), ICT Academy Co-Ordinator, MHRD Institution Innovation Council Convenor, Students' Vice President (2022-2023), Vice Principal (2023-2024), College Website Co-Ordinator (2016-2020).
  - Served as Trainer at CSC Computer Education, Palayamkottai, from 2004 to 2008.
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## PUBLICATIONS

### Journals

- Next-generation offloading using hybrid deep learning network for adaptive mobile edge computing, *International Journal of Electrical and Computer Engineering (IJECE)* Vol. 15, No. 2, April 2025, pp. 1924~1932 ISSN: 2088-8708, DOI: 10.11591/ijece.v15i2.pp1924-1932-Scopus Indexed.
- Online computation offloading via deep convolutional feature map attention reinforcement learning and adaptive rewarding policy. Springer Nature *Wireless Networks* 29, 3769–3779 (2023). <https://doi.org/10.1007/s11276-023-03437-y> - SCIE Indexed.
- Efficient Power Management in Mobile Computing with Edge Server Offloading Using Multi-Objective Optimization, *EAI Endorsed Transactions on Energy Web*(2022),e7-e7. DOI:10.4108/eai.8-7-2021.170288 - Scopus Indexed.
- Secure Task Offloading in Mobile Edge Computing: Review and Case Studies, *Journal of Xi'an University of Architecture & Technology Volume XII, Issue VI, 2020* ISSN No : 1006-7930.
- A Survey on Image Mining Techniques: Theory and Applications, Pragnavani (2017), ISSN:No.22499-6017.

### Conferences

- Brainwaves to Bytes: Next-Gen Brain–Computer Interfaces for Human Empowerment, Proceedings of International Conference on Advanced Computing and Intelligent Systems(2025), ISBN: .978-81-993910-7-9.
  - AI for the Blue Economy: Intelligent Solutions For Sustainable Fishers, Proceedings of International Conference on Advanced Computing and Intelligent Systems (2025), ISBN: 978-81-993910-7-9.
  - Flood Prediction using Machine Learning, Proceedings of the National Conference on Intelligent Systems and Information Technology(2025), ISBN: .978-81-993910-5-5.
  - Smart Calorie Estimation for Food and Beverages via Deep Learning Models, Proceedings of the International Conference on Computer Science and Technologies (August 2025). ISBN.978-81-990016-8.
  - Deep Learning Based Modeling and Analysis of Auto Encoder for Resource Allocation Scheduling in MEC Networks, Proceedings of International Conference on Networks, Image and Security(August 2023),ISBN ISBN: 978-81-945891-5-0.
  - Emergence of AI with Edge Computing: A Review and New Perspectives, Proceedings of International Conference on Networks, Image and Security(August 2023), ISBN: 978-81-945891-5-0.
  - Online Computation Offloading via Deep Convolutional Reinforcement Learning, Proceedings of the Two Day International Conference on Recent Trends in Computing and Information Technology-RTCIT(2022), ISBN: 979-88-8525-143-3.
  - MOSA: A Multi-objective Optimization in Edge Server Offloading using Scheduling Algorithms, Proceedings of International Conference on Information Science, Management Research and Social Science, (2021), ISBN: 978-93-5457-137-4.
  - An Efficient Detection of Trigeminal Neuralgia using Thermal Infrared Images, Proceedings of the National Conference on Advanced Research Techniques in Information Technology(2014), ISBN: 978-93-82570-43-1.
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## **WORKSHOPS & CONFERENCES**

### **Organized**

- International Conference on Advanced Computing and Intelligent Systems (2025)

### **Attended**

- Attended 6 conferences and 12 workshops (National/International)
  - Completed Trainings/Faculty Development Programmes : 30+ (e.g., vSphere7, AI/ML, Outcome-based education, Hands-on Python).
  - Attended Webinars/Seminars: 23 (e.g., IPR, NAAC, Data Science, Leadership series).
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## **ACHIEVEMENTS**

- Received funding from the Tamil Nadu State Council for Science and Technology (TNSCST) Student Project Scheme in Agricultural Sciences for 2024-2025 for the project titled "Performance Evaluation of Green Hydrogen Produced from Sewage Sludge in Agricultural Diesel Engines."
  - Published a patent titled "Genre Classification and Analysis of Metadata in Digital Library Using Image and Dialect Model CI" in 2023.
  - Received Level 5 Certification in Management and Leadership from Chartered Management Institute, UK, on 26.11.2019, through the AICTE-British Council UKIERI Leadership Program.
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## **LANGUAGES KNOWN**

Proficient in Tamil and English with fluency; can read and write Hindi.

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## **DECLARATION**

I hereby declare that all the information provided in this curriculum vitae is true and correct to the best of my knowledge and belief.

P. ANUSHA