

# National Institute of Technology, Tiruchirappalli: Performa for CV of Faculty/ Staff Members

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## Curriculum Vitae

Brief Profile: 1-2 paragraphs (not exceeding 500 words)



Dr. Ashwinth Janarthanam is an Assistant Professor at the Department of Computer Applications at the National Institute of Technology, Tiruchirappalli (NIT Trichy), since 28 March 2024.. He holds a Ph.D. in Computational Intelligence from the Madras Institute of Technology Campus (MIT), Anna University, Chennai, where he also completed his M.Tech in Information Technology. He earned his B.E. in Computer Science and Engineering from Sasurie College of Engineering in Tiruppur.

Dr. Ashwinth specializes in Meta Learning, Computer Vision, Artificial Intelligence & Machine Learning, and the Internet of Things (IoT). With years of teaching experience since 2012, he is actively involved in both teaching and research.

He is also member of several learned professional societies, including the Institute of Electrical and Electronics Engineers (IEEE) and life member of the Indian Society for Technical Education (ISTE)

1. Name: Dr. Ashwinth Janarthanam
2. Designation: Assistant Professor
3. Office Address: Department of Computer Applications, National Institute of Technology, Tiruchirappalli – 620 015.
4. Telephone (Direct) (Optional):  
Telephone : 0431 - 2503730  
Extn (Optional):  
Mobile (Optional):
5. Email (Primary): [ashwinth@nitt.edu](mailto:ashwinth@nitt.edu) Email (Secondary) : [dr.ashwinthj@gmail.com](mailto:dr.ashwinthj@gmail.com)
6. Field(s) of Specialization: Few Shot Learning, Computer Vision, Optimization Techniques
7. Employment Profile

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Job Title	Employer	From	To
Assistant Professor Grade II	CA - NIT Trichy	March 2024	Till date
Assistant Professor Grade II	IT - SSN College of Engineering	May 2021	March 2024
Assistant Professor	IT - Sri Krishna College of Engineering and Technology, Coimbatore	May 2018	April 2021
Lecturer in IT	IT - Government Polytechnic, Daman	March 2017	May 2018
Teaching Fellow	IT - MIT – Anna University	June 2014	October 2016
Assistant Professor	IT - Karpagam College of Engineering	June 2013	April 2014
Assistant Professor	CSE - Karpagam Institute of Technology	June 2012	May 2013

**8. Academic Qualifications (From Highest Degree to High School):**

Examination	Board / University	Year	Division/ Grade	Subjects
PhD – Computational Intelligence	Anna University, Chennai	2021		Faculty of Information and Communication Engineering
Master of Technology (M.Tech.)	MIT – Anna University, Chennai	2012	First Class	Information Technology
Bachelor of Engineering (B.E.)	Anna University, Chennai	2010	First Class	Computer Science and Engineering

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### 9. Academic/Administrative Responsibilities within the University

Position	Faculty/Department/Centre/Institution	From	To
Member – Steering Committee	Stores and Purchase Section, NIT-T	April 2024	Till date
MIS Co-ordinator	Department of Computer Applications, NIT-T	April 2024	Till date

### 10. Academic/Administrative Responsibilities outside the University

Position	Institution	From	To

### 11. Awards, Associateships etc.

Year of Award	Name of the Award	Awarding Organization

### 12. Fellowships

Year of Award	Name of the Fellowship	Awarding Organization	From (Month/Year)	To (Month/Year)

### 13. Details of Academic Work

#### (i) Curriculum Development

- a. Contributed to curriculum development at previous employment (SSN College of Engineering) for PG (R-2022) and UG (R-2021)

#### (ii) Courses taught at Postgraduate and Undergraduate levels

- a. Problem solving and programming
- b. Data Structures and algorithm analysis
- c. Machine Learning
- d. Optimization Techniques
- e. Computer Vision and Pattern Recognition
- f. Soft Computing

#### (iii) Projects guided at Postgraduate level

#### (iv) Other contribution(s)

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14. Details of Major R&D Projects

Title of Project	Funding Agency	Duration		Status
		From	To	Ongoing/ Completed

15. Number of PhDs guided

Name of the PhD Scholar	Title of PhD Thesis	Role(Supervisor/ Co-Supervisor)	Year of Award

16. Participation in Workshops/ Symposia/ Conferences/ Colloquia /Seminars/ Schools etc. (mentioning the role) (Selective)

Date (s)	Title of Activity	Level of Event (International/ National/ Local)	Role (Participant/ Speaker/ Chairperson, Paper presenter, Any other)	Event Organized by	Venue
	6 day ATAL FDP on Quantum Computing and its Applications	National	Participant	Sri Krishna College of Technology	Coimbatore
	National Workshop on Machine Learning and Data Science : Techniques and Trends	National	Participant	NIT Trichy	Trichy
	Two Day Research Oriented FDTP on Contemporary	National	Participant	MIT – Anna University	Chennai

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	Research Aspects in Information Centric Networking (CRICN)				

17. Workshops/ Symposia/ Conferences/ Colloquia/Seminars Organized (as Chairman/ Organizing Secretary/ Convenor / Co-Convenor)

Title of Activity	Level of Event (International/ National/ Local)	Date (s)	Role	Venue
Winter Summit on Smart Computing and Networks	International	17-19 March 2022.	Convenor	SSN College of Engineering

18. Invited Talks delivered

Topic	Date	Inviting Organization

19. Membership of Learned Societies

Type of Membership (Ordinary Member/ Honorary Member / Life Member )	Organization	Membership No. with date
Member	IEEE	98167677
Life Member	ISTE	LM94016

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20. Academic Foreign Visits

Country	Duration of Visit	Programme

21. Publications

(A) Refereed Research Journals: (Selective)

Author(s)	Title of Paper	Journal	Volume (No.)	Page numbers	Year	Impact Factor of the Journal (Optional)
Ashwinth Janarthanan, Vidhusha Srinivasan	Cycle-Consistent Generative Adversarial Network and Crypto Hash Signature Token-based Block chain Technology for Data Aggregation with Secured Routing in Wireless Sensor Networks	International Journal of Communication Systems - Wiley	37	E5675	2024	1.7
Ashwinth Janarthanan, Vidhusha Srinivasan	Multi-objective cluster head-based energy aware routing using optimized auto-metric graph neural network for secured data aggregation in Wireless Sensor Network	International Journal of Communication Systems - Wiley	37	E5664	2024	1.7
Ashwinth Janarthanan, Dhananjay Kumar	Localization Based Evolutionary Routing (LOBER) for Efficient	Computers, Materials and Continua – Tech Science Press USA	60	895-912	2020	2.0

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	Aggregation in Wireless Multimedia Sensor Networks.					
Google Scholar : <a href="https://scholar.google.co.in/citations?view_op=list_works&amp;hl=en&amp;hl=en&amp;user=xY8YikEAAAAJ">https://scholar.google.co.in/citations?view_op=list_works&amp;hl=en&amp;hl=en&amp;user=xY8YikEAAAAJ</a>						

(B) Conferences/Workshops/Symposia Proceedings

Author(s)	Title of Abstract/ Paper	Title of the Proceedings	Page numbers	Conference Theme	Venue	Year

(C) Books & Monographs

Author(s)	Title of Book/Monograph	Name of Publishers	Year of Publication	ISSN/ISBN Number