

1. Name: SUGIN S.V

2. Degree: M.E, (Ph.D)

3. Designation: Assistant Professor

4. Experience:

Teaching Experience:

Designation	Name of Employer with Address	Teaching Experience	
		Year	Month
Assistant Professor	Annai Vailankanni College of Engineering	2	11
Assistant Professor	PMR Engineering College	1	6
Assistant Professor	PERI Institute of Technology	2	0
Assistant Professor	Kings Engineering College	0	7
Total Teaching Experience			7 Years

Industrial Experience:

Designation	Name of Employer with Address	Responsibility	Experience	
			Year	Month
Software Engineer	ERMS Technologies	Software Developer	2	10
Software Engineer	VMD Technologies	Software Developer	1	9
Total Industrial Experience			4.7 Years	

5. Area of Specialization: Artificial Intelligence, Machine Learning, Deep Learning, Network Security

6. Contact (Email id): sugin.sv@gmail.com

7. Subjects Handled:

Sl. No	Name of the Subject Handled
1	Theory of Computation
2	Python Programming
3	Distributed Systems
4	Mobile Computing
5	Computer Architecture
6	Design and analysis of Algorithms
7	Data Structures

8. Publications (Journals&Conferences):

- Published a Journal paper entitled **Improved Cyber Attack Detection Using MLB-FQS: A Novel Modified Lagrange Butterfly-based Fuzzy Quasi-Linear SVM Algorithm.** September 2023, IETE Journal of Research, and SCI (Impact Factor: 2.3), <https://doi.org/10.1080/03772063.2023.2230172>.
- Published a Journal paper entitled **"Enhancing intrusion detection with imbalanced data classification and feature selection in machine learning algorithms"** April 2024, International Journal of Advanced Technology and Engineering Exploration, and Scopus (SNIP:0.399), <http://dx.doi.org/10.19101/IJATEE.2023.10101620>.
- Published a Conference paper entitled **" Developing a classifier model to analyze and predict cancer mellitus."** January 2023, International Conference on Advances in Computational Science and Engineering, (ICACSE 2020), AIP Conference Proceedings, and Scopus.
- Published a Conference paper entitled **"Detection of Traffic on the Network based on a Real Dataset for the IIM method and ML-TSDS Algorithm,"** International Conference on Automation, Computing and Renewable Systems (ICACRS), February 2023, IEEE Xplore Digital Library, and Scopus.
- Published a Conference paper entitled **"Machine Learning-Based Intrusion Detection of Imbalanced Traffic on the Network: A Review."** The International Conference on Recent Innovations in Computing, May 2023, Springer, Lecture Notes on Electrical Engineering, and Scopus.
- Published a Journal paper entitled **"Segmentation of Skin Images Using Fixed Grid Wavelet Networks"** In **"International Journal of Engineering Research & Technology, Vol. 3, Issue 4, April - 2014"** page: 838-841, ISSN: 2278-0181.

9. International Journals Publications

- ❑ Published a Journal paper entitled "**Enhancing intrusion detection with imbalanced data classification and feature selection in machine learning algorithms**" **April 2024**, International Journal of Advanced Technology and Engineering Exploration, and **Scopus** (SNIP:0.399), <http://dx.doi.org/10.19101/IJATEE.2023.10101620>.

10. International Conference Publications:

- ❑ Published a Conference paper entitled "**Developing a classifier model to analyze and predict cancer mellitus.**" **January 2023**, International Conference on Advances in Computational Science and Engineering, (ICACSE 2020), AIP Conference Proceedings, and **Scopus**.
- ❑ Published a Conference paper entitled "**Detection of Traffic on the Network based on a Real Dataset for the IIM method and ML-TSDS Algorithm,**" International Conference on Automation, Computing and Renewable Systems (ICACRS), **February 2023**, IEEE Xplore Digital Library, and **Scopus**.
- ❑ Published a Conference paper entitled "**Machine Learning-Based Intrusion Detection of Imbalanced Traffic on the Network: A Review.**" The International Conference on Recent Innovations in Computing, **May 2023**, Springer, Lecture Notes on Electrical Engineering, and **Scopus**.

11. National Conference Publications

- ❑ Published a Journal paper entitled "**Segmentation of Skin Images Using Fixed Grid Wavelet Networks**" In "**International Journal of Engineering Research & Technology, Vol. 3, Issue 4, April - 2014**" page: 838-841, ISSN: 2278-0181.

12. Patents Grants:

- ❑ Grant a Patent entitled "**Intelligent Wireless Network Repeater Using IOT**" October 2023. (**Application No: 391364-001**).

13. Patents Published:

- ❑ Published a Patent entitled "**IOT Dataset Authentication Spending Machine-Learning Practices for Traffic Anomaly Recognition**" September 2022. (**Application No: 202241051842**).

14. NPTEL Certifications:

- **Introduction to Machine Learning**
- **Computer Architecture**
- **Introduction to Cloud Computing**
- **Cyber Security**

15. Scopus ID: <https://www.scopus.com/authid/detail.uri?authorId=57934576100>

16. WOS researcher ID: MFI-9013-2025

17. Orchid id: <https://orcid.org/0000-0002-4166-0422>