



**S CLEMENT VIRGENIYA**  
**Teaching Assistant**

**Contact**

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**Academic Qualifications**

Degree	Institution	Year	Branch	Class
Ph.D	Alagappa University, Karaikudi	2022	Computer Science	Commended
M.Phil	Alagappa University, Karaikudi	2013	Computer Science	First Class with Distinction
M.Sc	Bishop Heber College, Trichy Affiliated to Bharathidasan University	2010	Information Technology	First Class with Distinction (91.5%)

## Teaching Experience

**Total Teaching Experience** : 2 Years

Position	Institution	Duration
Teaching Assistant	Department of Computer Science, Alagappa University, Karaikudi	16 <sup>th</sup> July 2024 to till date
Assistant Professor	Department of Computer Science, Dr. Umayal Ramanathan College for Women, Karaikudi	10 <sup>th</sup> Aug 2022 to 29 <sup>th</sup> June 2024

## Research Experience

**Total Research Experience** : 5 Years

Position	Institution / University	Duration
Research Scholar	Alagappa University	From 2018 to 2022
M.Phil Research Scholar	Alagappa University	From 2011 to 2013

## Areas of Research

- Internet of Things
- Data Analytics
- Cloud Computing
- Big Data Tools

### Research Supervision / Guidance

Program of Study		Completed	Ongoing
Project	PG	2	6

### Publications

International		National		Others
Journals	Conferences	Journals	Conferences	Books/Chapters/Monographs/Manuals
8	7	-	1	1

**h-index** : 3  
**i10 index** : 1  
**Total Citations** : 63

### Events Participated

Number of Conferences/Seminars/Workshops : 5

### Distinctive Achievements / Awards

Passed UGC-NET in June 2024 with 96.97 %

## List of Research Articles / Recent Publications

S. No.	Authors/Title of the paper/Journal	Impact Factor
1.	S. Clement Virgeniya and G.Jothi, “Medical Data NER and Classification Using Hybridized BERT Model”, in <b>World Journal of Advanced Engineering Technology and Sciences</b> , Vol 13, Issue 01, Pages 40-47, ISSN:2582-8266 [UGC Journal]	
2.	S. Clement Virgeniya and P.Geetha, “Prediction of Cotton and Tomato Leaf Disease using Ensemble Learning Algorithm”, in <b>the International Journal of Computer Sciences and Engineering</b> , , Vol 12, Issue 8, Pages 10-17, ISSN:2347-2693 [UGC Journal]	
3.	S.Clement Virgeniya and E.Ramaraj, “A Novel Deep Learning based Gated Recurrent Unit with Extreme Learning Machine for Electrocardiogram (ECG) Signal Recognition”, in <b>Biomedical Signal Processing and Control</b> , Volume 68, Pages 102779, July 2021, ISSN: 1746-8094 [Science Citation Index, WOS].	4.9
4.	S.Clement Virgeniya and E.Ramaraj, “Deep Learning Technique to Predict Heart Disease using IoT Based ECG Data” in <b>International Journal of Innovative Technology and Exploring Engineering (IJITEE)</b> , Volume 9, Issue 2, Pages 2278-3075, December 2019, ISSN: 2278-3075 [Scopus indexed].	5.6
5.	S.Clement Virgeniya and E.Ramaraj, “Predictive Analytics Using Rule Based Classification and Hybrid Logistic Regression (HLR) Algorithm for Decision Making”, in <b>International Journal of Scientific &amp; Technology Research</b> , Volume 8, Issue 10, Pages	5.1

	1509-1513, October 2019, ISSN: 2277-8616 [ <b>Scopus indexed</b> ].	
6.	S.Clement Virgeniya and E.Ramaraj, “A REVIEW ON DIFFERENT ANALYTICS IN IoT BIG DATA” in <b>IJRAR Journal</b> , Volume 5, Issue 12, Pages 630-637, Dec 2018, ISSN: 2349-5138 [ <b>UGC Journal</b> ].	
7.	S.Clement Virgeniya, “UMTS AND LTE-THEIR WORKING PRINCIPLES AND PERFORMANCE ANALYSIS OF UMTS” IN <b>IJERA Journal</b> , Volume 3, Issue 3, Pages 630-634. May-Jun 2013, ISSN: 2248-9622 [ <b>UGC Journal</b> ].	
8.	S.Clement Virgeniya, “ATTACKS ON IPV4 AND IPV6 PROTOCOLS AND IT’S PERFORMANCE PARAMETERS” in <b>IJCTT Journal</b> , Volume 4, Issue 8, August 2013, ISSN: 2231-2803 [ <b>UGC Journal</b> ].	
<b>Conference Papers</b>		
1.	S Clement Virgeniya, P Geetha, G Jothi, “Thyroid Disease Detection and Control: A Survey” in the <b>International Conference on Recent Innovations in Information technology</b> , organized by Department of Information Technology, Dr.Umayal Ramanathan College for Women, Karaikudi, Pg no 43-48, 17 <sup>th</sup> Feb 2024 ISBN:9788195522675.	
2.	S.Clement Virgeniya, “Security of Internet of Things in Healthcare Industry”, in the <b>International Conference on Accelerating Business Value through Emerging Technology</b> ”, organized by Dr.Umayal Ramanathan College for Women, Karaikudi, 24 <sup>th</sup> April, 2023.	
3.	S.Clement Virgeniya, “Digital Currency Analytics using Deep Learning Algorithm”, in the <b>International Conference on Recent Trends in Computer Science</b> ”, organized	

	by Dept of Computer Science, Alagappa University, during 30 <sup>th</sup> and 31 <sup>st</sup> March, 2023.
4.	S.Clement Virgeniya and E.Ramaraj, “IoT and Big Data for ECG Signal Classification - A Quick Decision System”, in <b>2nd International Conference on Communication, Computing and Industry 4.0 (C2I4)</b> , Pages 1-6, January 2022, ISBN: 978-1-6654-2014-3 [IEEE Xplore].
5.	S.Clement Virgeniya and E.Ramaraj, “Hyperparameter Tuning of Dense Neural Network for ECG Signal Classification”, in <b>Proceedings of the International Conference on Paradigms of Communication, Computing and Data Sciences. Algorithms for Intelligent Systems</b> . Springer, Singapore, Pages 675- 682, January 2022, ISBN: 978-981-16-5746-7 [Springer]
6.	S.Clement Virgeniya and E.Ramaraj, “Predictive Modeling Algorithms - based Classification of Arrhythmia”, in <b>4th International Conference on Electronics, Communication and Aerospace Technology (ICECA)</b> , Pages 1272-1276, December 2020, ISBN: 978-1-7281-6387-1 [IEEE Xplore].
7.	Presented Conference paper on “ <b>Deep Learning Techniques for IOT Based ECG Data in the Healthcare Industry for Decision Making</b> ” in the International Conference on “Computational Sciences ICCS 2019” Organized by the Dept of Computer Science, Alagappa University, Karaikudi during October 23 <sup>rd</sup> – 24 <sup>th</sup> 2019.
8.	Presented Conference paper on “ <b>A Study on some Performance Factors of IPV4 and IPv6 Protocols</b> ” in the Second National Conference on “Computer Science and Informatics -NCCSI’13” Organized by the Dept of Computer Science and Engineering & Dept of Computer Applications, Anna University Regional Centre, Madurai, 17 <sup>th</sup> – 18 <sup>th</sup> April 2013.

Book Chapter	
1	Published <b>Book Chapter</b> Entitled “Digital Twins and Predictive Analytics in Smart Agriculture” in <b>Intelligent Robots and Drones for Precision Agriculture</b> , Springer Nature Switzerland, Pages 87-100, March 2024 [ <b>Springer</b> ].