

**Name** : SUDHANDRADEVI P

**Designation** : Faculty Associate

**Department** : Computer Science with Cyber Security

**Qualification** : M.C.A., M.Phil. Ph. D.,

**Experience** : Teaching - 2 Years

**Research** : 7 Years

**Area of Specialization (s)**: Data Mining, Big Data Analytics

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#### Academic Qualifications

Degree	Branch	Institution/University Name	Year of Graduation
Ph.D.	Computer Science	Bharathiar University, Coimbatore	Pursuing
M.Phil.	Computer Science	Bharathiar University, Coimbatore	2018
M.C.A	Computer Applications	Bharathiar University, Coimbatore	2017
B.Sc.	Computer Science	NGM College of Arts and Science, Pollachi	2014

#### Additional Qualifications

Diploma/ Vocational/ Certification	Area of Specialization	Institution/University/Agency Name	Year
Certification	Introduction to Image Generation	Google Cloud – Coursera	2024
Certification	Coursera “Python 101 for Data Science”	IBM Developer Skills	2022
Certification	Big Data Fundamentals”	IBM Developer Skills	2017

#### Research Publications (Indexed)

##### International

1. P Sudhandradevi, V Bhuvaneswari, (2025), “Facial Recognition with Advanced Emotional States: A CNN-RF and CNN-LSTM Hybrid Framework for Stress, Frustration, and Confidence,” TPM - Testing, Psychometrics, Methodology in Applied Psychology, Vol. 32(S3), (ESCI-Scopus)
2. P Sudhandradevi, V Bhuvaneswari, (2025), “LAEmo: A Multimodal Deep Learning Framework for Learning Anxiety Detection Using Facial Imagery and Temporal Video Cues,” International Journal of Information Technology and Computer Science (IJITCS) (Communicated)

##### Other Publications: International/National

1. P Sudhandradevi, V Bhuvaneswari, (2022), “A Visual Analytical Dashboard on Cyber Journalism: An Empirical Review”, Turkish Journal of Computer and Mathematics Education, Karadeniz Technical University, Vol.13 No.02, pp. 1044-1061

2. P Sudhandradevi, V Bhuvaneshwari,(2018), “Sports Analysis of FIFA Football World Cup Tournament using Logistic Regression”, International Journal of Computational Intelligence and Informatics, Volume 8, Issue 2, Pages 59-68.
3. P Sudhandradevi, V Bhuvaneshwari, “Dengue Prevention using IOT Framework - A Communicable Disease”, Poster Presentation, in the Seventh All Indian Young Scientists Convention, held from 18-22 December 2017, at Periyar University, Salem.
4. P Sudhandradevi, V Bhuvaneshwari, (2018), “Pattern Mining for WhatsApp Chats Identifying Thanglish Words in WhatsApp Chats”, International Journal of Electrical, Electronics and Computer Systems (IJECS), Volume -6, Issue-1\_2, ISSN (Online): 2347-2820.
5. P Sudhandradevi, V Bhuvaneshwari, (2016), “Data Analytics Framework and Methodology for WhatsApp Chats Transliteration of Thanglish and Short WhatsApp Messages”, International Journal of Computational Intelligence and Informatics, Volume -6, No. 3.

#### **Book Chapter Published**

1. P.Sudhandradevi, V. Bhuvaneshwari, (2022), “Cybersecurity”, Securing IoT in Industry 4.0 Applications with Blockchain, 1st Edition, Auerbach Publications, CRC Press Taylor and Francis.

#### **Acted as a Resource Person**

1. Delivered a talk on “What Launched Big Data Era?” in Webinar, organized by Department of ICT and Cognitive Systems at Sri Krishna Arts and Science College, Coimbatore, 21<sup>st</sup> August 2021.
2. Delivered a Talk on “R-Dashboard: Hands-On” in Webinar, organized by TDP Centre on Data Analysis and Big Data Tools, Bharathiar University, Coimbatore, 15<sup>th</sup> and 16<sup>th</sup> July 2020.

#### **Paper Presentations in Conference**

##### **International**

1. P Sudhandradevi, V Bhuvaneshwari, (2025), “WavXAI-EmoNet: Explainable Emotion Understanding through VAD Mapping and Multimodal Sensor Fusion”, International Conference on Advanced Computing and Systems, Proceedings of Lecture Notes in Networks and Systems, Springer Singapore (Scopus Indexed).
2. P Sudhandradevi, V Bhuvaneshwari, (2023), “Facial Expression Recognition to Predict Student Learning Anxiety with Deep Learning (Faster R-CNN) Approach”, International Conference on Mathematical Modeling (ICMM 2023)

#### **Presentations in Seminar – Nil**

Poster presented in “**Extractive Summarization of Unstructured Data Using a Topic Modeling Technique**”, DST-PURSE supported Satellite Symposia on Physical Sciences, Life Sciences, Chemical Sciences, and Mathematical-Computational Sciences to be held on September 13 -15, 2022, Bharathiar University, Coimbatore, Tamil Nadu.

#### **Participation in Workshop**

1. Attended the ARTPARK @ IISc Funded **AI-MPOWER: EMPOWERING EDUCATORS FOR THE DATA-DRIVEN FUTURE**, a 3-day offline workshop offered by the Department of Computational and Data Sciences at IISc Bangalore in collaboration with Zenteiq Edtech from November 6th to November 8th, 2023.

2. Participated in Two-Days Online Workshop on “**Adoption of Block Chain Technology in IoT Applications**” at Dr. Mahalingam College of Engineering and Technology, Pollachi, 27<sup>th</sup> & 28<sup>th</sup> May 2022.
3. Three Days National Workshop on “**Big Data Analytics Techniques and Tools**” at PSGR Krishnammal College for Women, 1<sup>st</sup> – 12<sup>th</sup> Jan, 2017.
4. Assistant Technology Instructor in “Workshop on Data Analytics with R”, “Seven Days Training Programme on Big Data and Data Analytics”, held at Bharathiar University, Coimbatore, from 1<sup>st</sup> Feb to 2<sup>nd</sup> Feb, 2018 and 5<sup>th</sup> March to 11<sup>th</sup> March, 2018.

#### Participation in Faculty Development Programme

1. FDP on “**Business Analytics Using R**” at Sakthi Institute of Information and Management Studies, Pollachi.

#### Awards/Honors

Awards/Honors	Agency/Institute	Year of Award
MCA Gold Medalist - First Rank	Bharathiar University, Coimbatore.	2017
Swami Vivekananda Young Achiever Award	Bharathiar University	2016

#### Indexing and Citations

Google Scholar:

Citations: 4

h-index: 2