

# CURRICULUM VITAE

Name: **Dr. Siva Satya Sreedhar P**

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## Carrier Objective:

Be affiliated with a prestigious institution. Improve the profession's standard and empower them with necessary skills value and help me achieve personal and organizational goals.

## Education:

- 2019-2023      Awarded Ph.D. (Doctor of Philosophy) Degree in Faculty of Information and Communication Engineering (ICE) from Anna University, Chennai, Tamil Nadu on 6<sup>th</sup> April 2023 with Thesis title “Efficient Image Fusion and Target Detection Models for Medical Images.”
- 2009-2011      Master of Technology (M.Tech.) in Information Technology with 74% from JNTUK, Kakinada (Campus), Andhra Pradesh, India.
- 2004-2008      Bachelor of Technology (B.Tech) in Computer Science & Engineering with 56% from Gudlavalleru Engineering College, Gudlavalleru, Affiliated to JNTU Hyderabad, Andhra Pradesh, India.
- 2002-2004      Intermediate in M.P.C. (Mathematics, Physics, and Chemistry) with 76% from Sree Vidya Junior College, Gudivada, Andhra Pradesh, India.
- 2001-2002      S.S.C. with 76% from WinSome Public School, Bantumilli, Andhra Pradesh, India.

**Teaching Experience: (10 years)**

1. Currently working as Associate Professor in the department of Information Technology, Seshadri Rao Gudlavalleru Engineering College (Autonomous), Gudlavalleru, Andhra Pradesh, India from July 1<sup>st</sup> 2023 to till now.
2. Eight years of experience as an Assistant Professor in the Department of Information Technology, Seshadri Rao Gudlavalleru Engineering College, Gudlavalleru, Andhra Pradesh, from 11<sup>th</sup> June 2012 to 25<sup>th</sup> June 2019 and 8<sup>th</sup> June 2022 to 30<sup>th</sup> June 2023.

**Research Experience: (2 Years 11 Months)**

1. Two years and eleven months of research experience as a research scholar at Anna University, Chennai, from July 2019 to May 2022.

**Professional Body Membership:**

Life Member ISTE (LM86465)

ACM Membership (6006970)

**Research Area:** Digital Image Processing, Machine Learning, Deep Learning.

- Recognized Ph.D. Supervisor at JNTUK, Kakinada, Andhra Pradesh, India.

**Awards / Achievements:**

1. **Reviewer** for the reputed International Journals (4) & **IEEE Conferences**.

S.No.	Journal Name	ISSN	Publisher	Indexing
1	Journal of Intelligent and Fuzzy Systems	1064-1246	IOS Press	Web of Science (Science Citation Index Expanded – <b>SCIE</b> )
2	Computer, Materials & Continua	1546 – 2226	Tech Science Press	Web of Science (Science Citation Index Expanded – <b>SCIE</b> )
3	Computer Systems Science and Engineering	0267-6192	Tech Science Press	Web of Science (Science Citation Index Expanded – <b>SCIE on Hold</b> )
4	Intelligent Automation & Soft Computing	2326-005X	Tech Science Press	Web of Science (Science Citation Index Expanded – <b>SCIE</b> )

2. Reviewer for the following IEEE Conferences, “CIPR 2024, ICMACC2024, ICSPCRE 2024, IDEA 2024, IEEEICBDS 2024”.
3. Received certificate of “Excellence in Peer-Reviewing” from B.P. International for reviewing the Book Chapter on 7<sup>th</sup> December 2023.
4. Awarded “Excellence Teaching in Higher Education-2023” Award from Deccan International Academic Publisher Awards, organized by DJ Academe, Tamil Nadu, India in October 2023.
5. Received **Outstanding Thesis & Dissertation Award – 2023** during the 1<sup>st</sup> international conference on Advanced optimization techniques and applications (AOTA – 2023) organized by Ramgarh Engineering College (Estd. By Govt. of Jharkhand & Run by Techno India under PPP) in Collaboration with Sultan Moulsay Slimane University, Morocco City University, Malaysia on 22<sup>nd</sup> January 2023.
6. Received **Young Researcher Award 2022** by the Institute of Researchers on 27<sup>th</sup> February 2023.
7. Completed M.Tech. Project (2010-2011) at **DRDO-RCI**, Hyderabad.
8. Secured 87 Percentile in **GATE 2009** (Computer Science & Engineering).

#### **Publication in International Journals: (8)**

##### **SCIE Indexed: 4**

1. S. Rajakumar, **Siva Satya Sreedhar P**, S. Kamatchi, G. Tamilmani, “Gray wolf optimization and image enhancement with NLM Algorithm for multimodal medical fusion imaging system”, Biomedical Signal Processing and Control, Volume 85, 2023, ISSN 1746-8094.
2. Melam Nagaraju, Adilakshmi Yannam, **Siva Satya Sreedhar P** & Maridu Bhargavi, “Double OptconNet architecture based facial expression recognition in video processing,” The Imaging Science Journal, vol. 70, issue 1, pp. 46-60, 2023, ISSN:1368-2199.
3. S. Navaneethan, **Siva Satya Sreedhar P**, S. Padmakala, and C. Senthilkumar, "The human eye pupil detection system using bat optimized deep learning architecture," Computer Systems Science and Engineering, vol. 46, no.1, pp. 125–135, 2023, ISSN: 0267-6192.

4. **Siva Satya Sreedhar P** and Nandhagopal N, “Classification Similarity Network Model for Image Fusion Using Resnet50 and GoogLeNet”, Intelligent Automation & Soft Computing, Vol. 31, no. 3, pp. 1331-1344, 2021, ISSN: 1079-8587,

### **Scopus Indexed: 3**

1. Siva Satya Sreedhar P, Ashok Reddy Kandula , K.Tamilarasi , Srikrishna Maan , Deema mohammed elsekait, “Deep Neural Network for Image Recognition In Medical Diagnosis”, “Journal of Pharmaceutical Negative Results”, Vol. 13, no. 09, pp. 386–398, 2022, ISSN: 0976-9234.
2. Siva Satya Sreedhar P, M. S. Minu, P. Vidyasri, Habeeb Omotunde, A. Tamizharasi, R. Logarasu, Rama Prabha K. P., V. Subashree, “Automated EEG based Emotion Detection using Bonobo Optimizer with Deep Learning on Human Computer Interaction”, Journal of Journal of Intelligent Systems and Internet of Things, vol. 12, no. 1, 2024, pp. 70-83. DOI: <https://doi.org/10.54216/JISIoT.120106>.
3. R. Rajkumar, Dinesh Valluru, Siva Satya Sreedhar P, N. Ramshankar, Sujatha S, Somasundaram R, M. Sudha, S. Navaneethan, "Enhanced Jaya Optimization Algorithm with Deep Learning Assisted Oral Cancer Diagnosis on IoT Healthcare Systems," Journal of Journal of Intelligent Systems and Internet of Things, vol. 11, no. 2, pp. 97-110, 2024. DOI: <https://doi.org/10.54216/JISIoT.110209>.

### **International Peer-Reviewed Journal: (3)**

1. **Siva Satya Sreedhar P**, Tedla Balaji, and Meduri Somayajulu, “Implementation of Image Fusion Model using DCGAN,” i-manager’s Journal on Image Processing, vol. 9, no. 4, pp. 35-45, 2022.
2. **Siva Satya Sreedhar P** & Nandhagopal N, “Image Fusion-The Pioneering Technique for Real-Time Image Processing Applications,” Journal of Computational and Theoretical Nanoscience, volume 18, issue 4, page no. 1208-1212, 2021, ISSN 1546-1955.
3. Gnanaprakash V, **Siva Satya Sreedhar P**, Sobhan Babu B , Yogesh S Deshmukh, Hemakumar M, Anjani Kumar “Novel MobileNet Based Multipath Convolutional Neural Network for Defect Detection in Fabrics”. International Journal on Recent and

Innovation Trends in Computing and Communication, vol. 11, no. 9, Nov. 2023, pp. 2417-23, doi:10.17762/ijritcc.v11i9.9308.

**International Conferences: (11)**

**IEEE: 10**

1. K. Abhinov, K. S. Saranya, M. Mahendra, Ch. Suresh Babu and Siva Satya Sreedhar P, "Soil-Based Crop Recommendation System Using Machine Learning," 2024 International Conference on Advances in Data Engineering and Intelligent Computing Systems (ADICS), Chennai, India, 2024, pp. 1-6, doi:10.1109/ADICS58448.2024.10533537.
2. Bande Bhavya Sri, Kadamati Dharani Naga Sai Amulya, Beulah Pallapothu, M.V.L.N. Raja Rao, Siva Satya Sreedhar P and A. Abirami, "Revolutionizing User Experience for Product Quality Evaluation using AR/VR and NLP," 2024 International Conference on Distributed Computing and Optimization Techniques (ICDCOT), Bengaluru, India, 2024, pp. 1-6, doi: 10.1109/ICDCOT61034.2024.10515452.
3. M Devi, Siva Satya Sreedhar P, S. Geetha Priya, M. Amutha, D. Kanagajothi, R.Kalaivani Sri, "Optimizing Energy Efficiency in Electric Vehicles Through Fuzzy Logic and Neural Network Algorithms," 2024 International Conference on Distributed Computing and Optimization Techniques (ICDCOT), Bengaluru, India, 2024, pp. 1-6, doi: 10.1109/ICDCOT61034.2024.10516252.
4. Ande NagaSai Manikanta; Abdul Farid Baba; Devarakonda Srivalli Vyshnavi; Dondapati Kiran Paul and Siva Satya Sreedhar P, "Cloud IoT Based Surveillance System for Tracking and Monitoring of Domestic Animals," 2024 International Conference on Integrated Circuits and Communication Systems (ICICACS), Raichur, India, 2024, pp. 1-5, doi: 10.1109/ICICACS60521.2024.10498549.
5. Sri Raman Kothuri; V. Sujay; Siva Satya Sreedhar P; Prachi Juyal; Jyothi Prasad M, R Bhuvaneshwari, "Hybrid CNN-LSTM Machine Learning Algorithm for Driver Distraction Detection," 2024 International Conference on Integrated Circuits and Communication Systems (ICICACS), Raichur, India, 2024, pp. 1-5, doi: 10.1109/ICICACS60521.2024.10498991.

6. V. Sujay, S. Lalitha, Siva Satya Sreedhar P, H. Omotunde, S. Vijaya and K. P. Mery, "Enhancing Hyperparameters for Improved Flight Delay Prediction Using Machine Learning Algorithms," 2024 International Conference on Integrated Circuits and Communication Systems (ICICACS), Raichur, India, 2024, pp. 1-5, doi: 10.1109/ICICACS60521.2024.10498678.
7. Siva Satya Sreedhar P, Sravani Velpula, Rishwitha Parise, Naidu Krishna Vamsi, and Sakhamuri Krishna Chaitanya, "Phishing Attack Detection Using Convolutional Neural Networks," 9<sup>th</sup> International Conference on Advanced Computing and Communication Systems (ICACCS) – 2023, Coimbatore, Tamil Nadu, India, 2023, pp. 1381-1385, DOI: 10.1109/ICACCS57279.2023.10113077.
8. Dr. Dinesh Valluru, Mohammed Ahmed Mustafa, Hind Yasin Jasim, Kandula Srikanth, Dr. M.V.L.N.Raja Rao and **Siva Satya Sreedhar P**, "An Efficient Class Room Teaching Learning Method Using Augmented Reality," International Conference on Advanced Computing and Communication Systems (ICACCS) – 2023, Coimbatore, Tamil Nadu, India, **2023**, pp. 300-303, DOI: 10.1109/ICACCS57279.2023.10113096.
9. **Siva Satya Sreedhar P**, R. Anitha, P. Rachel, S. Suganya, C. Ramesh Babu Durai and G. S. Uthayakumar, "Energy Conservation for Environment Monitoring System in an IoT based WSN," 2022 Smart Technologies, Communication and Robotics (STCR), Sathyamangalam, TamilNadu, India, 2022, pp. 1-5, DOI: 10.1109/STCR55312.2022.10009100.
10. L. P. Maguluri, M. Vamsi Krishna and P. S. S. Sridhar, "A novel approach for discovering relevant semantic associations on social Web mining," 2014 Conference on IT in Business, Industry and Government (CSIBIG), Indore, India, 2014, pp. 1-7, doi: 10.1109/CSIBIG.2014.7056949.

**Springer: (1)**

1. M.V.N.S.S.R.K.S.Somayajulu, Siva Satya Sreedhar P, Balaji Tedla, "Crime Detection Using A Technique Of Deep Learning," "Cognitive and Intelligent Computing (ICCIC), Hyderabad, Telangana, India, 27 & 28, December 2022.

### **Books Publications: (4)**

1. Dr. B. Srinivas Raja, Dr. G. Balakrishnan, **Mr. Siva Satya Sreedhar P** and Dr. R. Aruna, “**Digital Image and Speech Processing**”, by “Deccan International Academic Publishers,” with ISBN: 978-93-95191-29-6.
2. Dr.V.J.Chakravarthy, Kaleemur Rehman, **Mr. Siva Satya Sreedhar P**, B. Rajakumar, “**Operating System**”, by “Deccan International Academic Publishers,” ISBN: 978-81-961690-8-4.
3. S.KrishnaPriya, **Dr. Siva Satya Sreedhar P**, Dr. Anurag Tiwari and Dr. S.Kamatchi , “**Python Programming**”, Indo-continental Academic Publishers with ISBN: 9788196353339.
4. Dr. Siva Satya Sreedhar Purilla, Prof. Nilesh Dhannaseth, “Theory of Computation”, Scientific International Publishers, September 2023, with ISBN 9789357576512.

### **Book Chapters (Scopus Indexed): (1)**

1. P Siva Satya Sreedhar, V Sujay, Maderametla Roja Rani, L Melita, S Reshma, Sampath Boopathi, “Impacts of 5G Machine Learning Techniques on Telemedicine and Social Media Professional Connection in Healthcare”, “Analyzing Current Digital Healthcare Trends Using Social Networks”, pp. 209-234, 2024, Publisher IGI Global, DOI: 10.4018/979-8-3693-1934-5.ch012.

### **Patent Design Grant: (3)**

1. **Mr. Siva Satya Sreedhar P**, Dr. Dinesh Valluru, Mr. B. Sobhan Babu, Dr.M.V.L.N.Raja Rao, titled “IoT Based Face Mask and Body Temperature sensing device,” at Indian Patent Office with Application Number:380826-001, Design accepted and published, Journal No is 20/2023 and Journal Date is 19/05/2023.
2. Dr.Vengatampalli Sujay, Mr. Ashok Reddy Kandula, Dr. Siva Satya Sreedhar Purilla, Mr. Melam Nagaraju, Mr. Badugu Sobhan Babu, Mr. Meduri Venkata Naga Siva Seetha Rama Krishna Sai Somayajulu, Mr.Tedla Balaji, Mr. Kandula Srikanth, “AI Based Driver Drowsiness Detecting Device” UK Design Patent Grant with Design Number 6304504, Applied on 18th August 2023 and Grant Date 25th September 2023.
3. Dr.Siva Satya Sreedhar P received design patent grant on “IOT enabled industrial vaccume cleaner device”, design number 408630-001 on 24th February 2024. (Indian Patent Office).

### **Patent Publication: (4)**

1. Dr. G Chamundeswari, Dr. P. Vijaya Kumar, Dr. D. R. Prajapati, Mr. Chandan M N, Dr. Siva Satya Sreedhar P, Dr. Vandana Somkuwar, Dr. G.S.V. Seshu Kumar, Dr. Ch. Asha Immanuel Raju, Mrs. K. Hemalatha, “Automated Ai Controlled Smart Dishwasher”, Indian Patent Office with Application Number 202441044775, published on 21<sup>st</sup> june 2024.
2. Dr.B.Anni Princy, Dr.Arul.C, Dr.Ebenezer Abishek. B, Dr.N. Golden Stepha, Ms.M.Latha Devi, Dr.J.Arunarasi, Ms.G J Pauline Jothi Kiruba, Mr.Pradeep G, **Mr.Purilla Siva Satya Sreedhar** and Dr.V.Nivedita, titled “A System For Detection of Breast Cancer Based on IoT and Machine Learning Algorithms,” Indian Patent Office, Application number 202241073321, Published on 30<sup>th</sup> December 2022.
3. Seshadri Rao Gudlavalleru Engineering College, Dr. Mamidanna Venkata Lakshmi Narasimha Rajarao, Melam Nagaraju, Tella Sumallika, Inampudi Lakshmi Narayana and **Purilla Siva Satya Sreedhar**, Titled “Communication Prioritizing Devices and Method Thereof,” Indian Patent Office, Application Number 202241051263, Published on 16<sup>th</sup> September 2022.
4. Dr. Annamalai Muthu, **Mr. Siva Satya Sreedhar P**, Dr. C Ramesh Babu Durai, Dr. K. Alice, Dr. Muthukannan, Smt. Anitha K, Dr.Senthilkumar C, Dr.V. Velmurugan, Ms.P. Renukadevi, Ms.R. Brindha, Titled “Artificial Intelligence and IoT Based Intelligent Automation (Home) using Wi-Fi and Android Applications,” Indian Patent Office, Application Number 202241041369, Published on 29<sup>th</sup> July 2022.

### **Subjects Taught:**

- Introduction to Computers
- Multimedia Application Development
- Multimedia Tools
- Fundamentals of E-Commerce
- E-Commerce
- Advanced Data Structures
- Database Management Systems



**Administrative Duties: (Department Level only)**

- Timetable Coordinator
- Examination Coordinator
- Counselling Coordinator
- Student and Faculty Professional Societies Coordinator
- NBA & NAAC - Faculty Criteria and Infrastructure Facilities
- Project Coordinator
- Community Service Project Coordinator
- Academic Coordinator

**Institution Level:** Research & Development Coordinator, IIC Coordinator.

**Webinars/ FDPs/ Workshops attended:**

- A total of 55 events have been attended till now. Of those, 18 events participated as Assistant Professor and 43 during my research time.

**NPTEL Certification:**

- Successfully completing the course ‘Introduction To Algorithms And Analysis’ with a consolidated score of **73% (Elite)** July – October 2017.
- Successfully Completed the NPTEL Certification on “Deep Learning”, offered by IIT Ropar, Jan-April 2024.

**Communication Address:**

<b>Permanent Address</b>	Dr. Purilla Siva Satya Sreedhar, S/O Nageswara Rao, D.No. 16/361-3A, Purilla Nilayam, Ratnam School Road, Machavaram, Machilipatnam, Krishna (Dist.), Andhra Pradesh, India, Pin – 521002.
Date of Birth	15-06-1987

**Declaration**

I now declare that the above information I provided is accurate.

Date:

Place:

**(Dr. Siva Satya Sreedhar P)**