


<b>Personal Information</b>		
Name	Shabina Bhaskar	
Gender	Female	
Nationality	Indian	
Marital status	Married	
No. of Children	2	
Contact Address	Sangalpa, Near L V Temple Hosdurg, Kanhangad P O Kasaragod, Kerala 671315	
Email Id	<a href="mailto:shabinabhaskar@gmail.com">shabinabhaskar@gmail.com</a> <a href="mailto:shabinabhaskar@hotmail.com">shabinabhaskar@hotmail.com</a>	
Phone Number	+919495426996	
<b>Educational Qualification</b>		
<b>Ph.D. in Computer Science</b>		<b>2023</b>
Central University of Kerala Research title: Audio-visual Speech Recognition and Semantic Summarization for Hearing Impaired Persons		
<b>MPhil in Computer Science (80%)</b>		<b>2014-15</b>
Indian Institute of Information Technology and Management Kerala, Trivandrum. Thesis title: 'Transfer Grammar Components for Malayalam-Hindi Translation Using Semantic Parsing' Key features of research <ul style="list-style-type: none"> <li>• Introduced an algorithm for semantic parsing</li> <li>• Applied Machine Learning Techniques for Semantic Role Labelling</li> <li>• Rules are developed for Transfer Grammar</li> </ul>		
<b>Master of Computer Application (65%)</b>		<b>2005-08</b>
L B S College of Engineering, Kasaragod Final year project on Data Transformation Services (File Conversion to Different Formats)		
<b>BSc Statistics ( 84%)</b>		<b>2002-05</b>
Nehru arts and Science College, Kanhangad, Kasaragod, Kerala		
<b>Higher Secondary (61%)</b>		<b>2000-02</b>
Durga Higher Secondary School, Kanhangad, Kasaragod, Kerala		
<b>SSLC (75%)</b>		<b>2000</b>
Durga Higher Secondary School, Kanhangad, Kasaragod, Kerala		
<b>Experience</b>		
St. Joseph Engineering College, Mangalore ICFOSS, Thiruvananthapuram	Associate Professor- 07/11/2023 Research associate- 25/07/2022 to 28/10/2023	
Central University of Kerala, Kasaragod St.Pius X College, Rajapuram, Kasaragod LBS Engineering College, Kasaragod	Guest lecturer- 13/9/2021 to 22/07/2022 Guest lecturer - 3/7/2012 to 18/10/2012 Guest lecturer- 9/6/2010 to 31/3/2011 & Guest lecturer-7/12/2009 to 9/04/2010	
Institution: Matrix Media lab (IT &ITES Education), Kanhangad	Faculty - 25/1/2009 to 17/11/2009	

*Papers  
Published*

**Publications**

- Shabina Bhaskar, Sandeep Chandran. "Semantic Parsing Approach in Malayalam for Machine Translation" International Journal of Engineering Research & Technology (IJERT) ISSN: 2278-0181 Vol. 4 Issue 07, July-2015.
- Stephy Joseph, Shabina Bhaskar, Elizebeth sherly "Transfer Grammar Components for Malayalam to Hindi and English Machine Translation System" An International Journal of Engineering Sciences ISSN:2229-6913, Special Issue iDravadian, December 2014, Vol. 15.
- Bhaskar, Shabina, T. M. Thasleema, and R. Rajesh. "A Survey on Different Visual Speech Recognition Techniques." In Data Analytics and Learning, pp. 307-316. Springer, Singapore, 2019.
- Bhaskar, S., T. M. Thasleema, and R. Rajesh. "Semantic identification and representation of Malayalam sentence using SVM." In Emerging Trends in Engineering, Science and Technology for Society, Energy and Environment, pp. 859- 868. CRC Press, 2018.
- Shabina Bhaskar, Thasleema T M. "Wavelet based Visual Feature Extraction Technique for Visual Speech Recognition". Narosa Publications.
- Shabina Bhaskar, Thasleema T M. "Scope for Deep Learning: A Study in Audio-Visual Speech Recognition.". IEEEExplore.2019.
- Shabina Bhaskar, Thasleema T M. "CNN Based Feature Extraction for Visual Speech Recognition in Malayalam.". Springer. Singapore, 2021.
- Bhaskar, S., Thasleema T. M." LSTM model for visual speech recognition through facial expressions." Multimed Tools Appl. ,Springer 2022.
- Bhaskar, S., & Madathil, T. T. Multimodal Based Audio-Visual Speech Recognition for Hard-of-Hearing: State of the Art Techniques and Challenges. *Indonesian Journal of Electrical Engineering and Informatics (IJEI)*, 10(2), 385-397.2022.
- Shabina Bhaskar, Sony Sujath,Rajeev R R, An Approach for Malayalam Sentence to Indian Sign Language Generation using Synthetic Animations, Accepted for AIP conference proceedings.

### **Conferences /Seminars/Workshops Attended**

- Participated and presented a paper titled “CNN Based Visual Feature Extraction for Visual Speech Recognition in Malayalam” in the International Conference on Data Analytics & Management: An Indo-European Conference (Icdam-2021) held on 26<sup>th</sup> June 2021 organized jointly by: Jan Wyzykowski University, Poland & Panipat Institute Of Engineering And Technology, India & IIS (Deemed To Be University), Jaipur, India & IES University, Bhopal, India.
- Participated and presented a paper titled “Scope for Deep Learning: A Study in Audio-Visual Speech Recognition” in International Conference on Computational Intelligence and Knowledge Economy (ICCIKE 2019) held during 11-12 December 2019 at Amity University, Dubai, UAE.
- Attended a workshop on “Robotics” sponsored by AICTE Training and Learning Academy (ATAL) held during 01-05 November 2019 at Department of Computer Science, Central University of Kerala.
- Attended a workshop on “Internet of Things” sponsored by AICTE Training and Learning Academy (ATAL) held during 16-20 October 2019 at Department of Computer Science, Central University of Kerala.
- Attended a workshop on “Artificial Intelligence” sponsored by AICTE Training and Learning Academy (ATAL) held during 30<sup>th</sup> September 2019 to 4<sup>th</sup> October 2019 at Department of Computer Science, Central University of Kerala.
- Attended a workshop on “Cyber Security” sponsored by AICTE Training and Learning Academy (ATAL) held during 23-27 September 2019 at Department of Computer Science, Central University of Kerala.
- Participated and presented a paper “3D DWT Visual Feature Extraction Technique for Visual Speech Recognition” in International Conference on Intelligent Computing and Signal Processing held at Central University of Kerala, Kasaragod on 8-9<sup>th</sup> March 2019.
- Attended Workshop on iOS App Development Programme organized by CDNS Technology in association with Dept. Computer Science, Central University of Kerala, during 28-29 march 2019.
- Participated in Conference on Assistive Technology value Chain conducted by National Institute of Speech and Hearing, Trivandrum, on 18th and 19th January 2019.
- Attended a two-day National Workshop on Deep Learning organized by Computer Society of India Trivandrum Chapter, Trivandrum, on December 3-4 2018.
- Attended International Workshop on Speech Processing in Challenging Environments (SPICE) in Indian Institute of Science, Bangalore on 8th September 2018.
- Attended 2-day National Level Workshop on Pattern Recognition, NWPR 2017, Held at Department of Computer Science, Central University of Kerala, 12-13 August 2017.
- Attended 3-day National level Seminar on Soft Computing Techniques to Pattern Recognition, held at University of Mysore, 3-5 November 2016.
- Attended 5-day Faculty Development Programme on Speech and Text Processing, held at LBS Institute of Technology for Women, Trivandrum, 8-12 August 2016.

25<sup>th</sup> November 2021.

- Delivered a speech on “Artificial Intelligence-State of Arts” in the webinar Sree Narayana College of Engineering & Technology, Payyannur organized on 1st August 2020.
- Acted as a panelist in Big Data and Data Analytics panel discussion conducted by IEEE Women in Engineering Affinity Group of various SB on 30th April 2020.
- Delivered a speech “An Insight into Artificial Intelligence” in a webinar series organized by WiE AG IEEE SB NSSCE Palakkad on 1st July 2020.
- Contributed as a Volunteer in National Conference on Data Mining and Predictive Analytics (NCDMPA) 2020 organized by Department of Computer Science, Central University of Kerala, held on January 17-18, 2020.
- Contributed as volunteer for the practical sessions conducted on 24 December 2019 in the INSPIRE Internship Science Camp held at Central University of Kerala, Kasaragod during 21-26 December 2019.
- Contributed as volunteer for the practical sessions conducted on 25 December 2018 in the INSPIRE Internship Science Camp held at Central University of Kerala, Kasaragod during 21-26 December 2018.
- CSIR Travel Grant Received for the International Conference on Computational Intelligence and Knowledge Economy (ICCIKE 2019) held during 11-12 December 2019 at Amity University, Dubai, UAE.
- Contributed as Volunteer in Workshops “Artificial Intelligence”, “Internet Of Things” and “Robotics” held at Central University of Kerala.
- Certificate committee chair and Volunteer in International Conference on Intelligent Computing and Signal Processing held at Central University of Kerala, Kasaragod on 8-9th March 2019.

### **Other Achievements**

- Resource person for the Summer School organized by ICFOSS Trivandrum on 11/05/2023.
- Delivered a “Text analysis” session in the FDP organized by DC school of Management, Vagamon on 25<sup>th</sup> March 2023.
- Organizing Secretary for the International Conference on FOSS approaches towards computational intelligence and language technology 2023.
- Resource person for the workshop “Introduction to Python and Machine learning” organized by Mahaguru Institute of Technology, Mavelikkara on 23-24<sup>th</sup> March 2023.
- Delivered a session on “SpaCy ” in the FDP organized by Rajagiri College of Engineering on 31<sup>st</sup> August 2022.
- Delivered a speech on “Artificial Intelligence” in the Computer Science Association Inauguration program organized by Polytechnic Periya on 15<sup>th</sup> February 2022.
- Delivered a session on “Research methods” in the Program “Cracking JRF” organized by the Department of English and Comparative Literature, Central University of Kerala.