

Faculty	Mrs. Soumya Jolad Assistant Professor – Computer Science & Engineering East Point College of Engineering & Technology
	Mrs. Soumya Jolad received her B.E. in Electronics and Communication Engineering from Tontadarya College of Engineering, Gadag, in 2014 and M.Tech in Digital Communication from Basaveshwara Engineering College, Bagalkot, in 2016. She is currently pursuing a Ph.D. in Data Science and Artificial Intelligence at IIIT Dharwad, with research focused on Computer Vision, Deep Learning, and AI-driven Human Skill Assessment. She has over 6 years of teaching experience across the ECE and CSE departments, having served at KLE Institute of Technology, Hubballi, and is currently an Assistant Professor in the CSE Department at East Point College of Engineering & Technology, Bengaluru. Her research interests include Computer Vision, Speech Processing, Deep Learning, and Affective Computing, with publications in IEEE conferences and peer-reviewed journals. She has cleared the Karnataka State Eligibility Test (KSET) 2019 and was awarded Best Project of the Year 2020 by KSEST. She has taught subjects including Machine Learning, Internet of Things, Network Analysis, Signals and Systems, and Digital Communication, while mentoring students in research and project-based learning. She has also served as Contineo ERP Coordinator and Criterion 8 Coordinator for NBA/NAAC accreditation. Her technical skills include Python, MATLAB, TensorFlow, PyTorch, and Power BI.
	Research Publications Journal Articles 1. Divya, G., Hemalatha, P., Jolad, S., & Yadav, N. (2025). Enhancing Affective Modelling Through Preprocessing: A Comparative Review for Valence and Arousal Estimation. International Journal of Environmental Sciences, Vol. 11, No. 22s. Available: https://theaspd.com/index.php 2. Jolad, S., & Shridhar, S. K. (2016). Speech enhancement using spectral subtraction technique with minimized cross spectral components. IJRET, Vol. 5, Issue 03. Conference Papers (IEEE) 3. Jolad, S., & Shridhar, S. K. (2016). Speech enhancement using DFT and DHT with reduction of cross spectral terms. In 2016 International Conference on Signal and Information Processing (IConSIP), Nanded, India, pp. 1–4. doi: 10.1109/ICONSIP.2016.7857453. 4. Grampurohit, S., Shalavadi, V., Dhotargavi, V. R., Kudari, M., & Jolad, S. (2020). Brain Tumor Detection Using Deep Learning Models. In 2020 IEEE India Council International Subsections Conference (INDISCON), Visakhapatnam, India, pp. 129–134. doi:

	10.1109/INDISCON50162.2020.00037. 5. Kanagond, S. S., Huddar, S. S., Hoolageri, S. H., Kapatakar, V., Itagi, R. L., & Jolad, S. (2020). Smart assistive device for senior citizens. In 2020 IEEE International Conference on Distributed Computing, VLSI, Electrical Circuits and Robotics (DISCOVER), Udupi, India, pp. 42–46. doi: 10.1109/DISCOVER50404.2020.9278083. Patent 6. Jolad, S. (2026). A Sensor-Free Real-Time System and Method for Sign Language Detection and Multi-Lingual Translation. Indian Patent Application No. 202541133118; Filed: December 29, 2025; Published: January 9, 2026. 7. Jolad, S. (2026). Bio-Adaptive Smart Air Poles with Self-Learning AI for Urban Air Quality Management using IoT. Indian Patent Application No. 202541103933, Publication No. 48/2025; Published: 28/11/2025. 8. Hemalatha, P., Divya, G., Jolad, S., BakkiyaLakshmi, B., & Srinidhin. (2026). AlgoViz: Artificial Intelligence Based Algorithm Visualization and Learning System. Indian Patent Application No. 202641044918, Publication No. 17/2026; Filed: 08/04/2026; Published: 24/04/2026.
	Awards, Certifications & Achievements • Best Project of the Year 2020 — “Smart Assistive Device for Senior Citizens”; awarded by Karnataka State Council for Science & Technology (KSEST). • Cleared Karnataka State Eligibility Test (KSET) — 2019. • NPTEL Domain Certification in Data Science and Artificial Intelligence — SWAYAM-NPTEL (In Progress).