KRISTU JAYANTI
(DEEMED TO BE UNIVERSITY)
Under Section 3 of UGC Act 1956
A CMI INSTITUTION | BENGALURU | INDIA

Centre for Research & Development

Research Supervisor (Guide) Profiles

Discipline of Supervision: Computer Science/Computer Applications/Data Science

Dr. Karthik S
Associate Professor
Department of Computer Science (PG)
School of Computational & Physical Sciences

Areas of Specialisation:
Code Cloning Detection and Software Quality Improvement using Deep Learning, Cybersecurity, Cryptography

Dr. Karthik S is an Associate Professor in the Department of Computer Science [PG] at Kristu Jayanti (Deemed-to-be University), Bengaluru. His research primarily focuses on advancing the field of Software Engineering, with a particular emphasis on code-clone detection using deep learning techniques. By leveraging artificial intelligence, his work aims to identify and manage duplicated code in large software projects, which is essential for improving code quality, reducing maintenance costs, and enhancing overall software reliability. Beyond software engineering, His research interests extend to cybersecurity and computer networks, where he explores secure communication protocols, cryptographic methods, and network security strategies. His expertise in software quality assurance helps develop robust testing and validation techniques that ensure software systems perform reliably under varied conditions. He also investigates the use of big data analytics and machine learning to extract meaningful patterns and predictions from complex datasets. His work in cloud computing focuses on designing scalable and efficient infrastructure and services to meet the growing demands of modern applications. He has published extensively in reputed national and international journals and conferences, and continues to guide students in research and innovation.

Selected Publications:

1. **S. Karthik,** P. K. Manoj Kumar, T. Deepa, K. Sutha, and D. Anandan. (2025). Cloud Based Face Recognition and Augmented Display of Google Glass using Hadoop. Metallurgical and Materials Engineering, 31(3), 346–357. https://doi.org/10.63278/1384

2. Senthilkumar, P., Blessing, W. N. R., Kanna, R. R., & **Karthik, S**. (2024). Performance evaluation of predicting IoT malicious nodes using machine learning classification algorithms. International Journal of Computational and Experimental Science and Engineering, 10(3). https://doi.org/10.22399/ijcesen.395

3. Senthilkumar, P., Anand, T. R., Priya, M., & **Karthik, S.** (2024). Artificial intelligence and Internet of Things integration taxonomy. International Journal of Research Publication and Reviews, 5(4). https://doi.org/10.55248/gengpi.5.0424.1082