

PROFILE

Name	RAJESH KUMAR S
Position & Affiliation	Assistant Professor, Department of CSE
Areas of Interest	MACHINE LEARNING, DEEP LEARNING
Email	Rajesh.cse@cambrige.edu.in
LinkedIn ID	www.linkedin.com/in/rajesh-kumar-s-025301233
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Scopus ID	
Professional Webpage (if any)	

Educational Qualifications:

Ph.D	Pursuing in VTU	India	2021
MTech	EPCET, VTU	India	2012
BE	SCTIT, VTU	India	2006

Areas of Research:

Data Analytics, Machine Learning , Deep Learning.

Brief Profile:

My professional background includes an MTech. in Computer Science and Engineering, and I currently serve as an Assistant Professor at Cambridge Institute of Technology in Bangalore, India, with over 15+ years of teaching experience. Currently immersed in a Ph.D. journey within the dynamic realm of machine learning, image processing, and deep learning.

I possess a diverse range of expertise across various subjects, including Data Structures, Computer Networks, Storage Area Networks, Database Management Systems, Finite Automata and Formal Languages, Cloud Computing, Unix Shell Programming, System Modeling and Simulation, and Programming Languages such as C, C++, Python, and Java.

In my classes, I emphasize practical learning and problem-solving skills. I believe in creating an interactive and engaging environment where students can explore and apply theoretical concepts to real-world scenarios.

Beyond the confines of traditional classroom environment, my commitment extends to fostering the academic and professional development of students. I actively engage with them through various avenues such as mentorship programs, and collaborative projects, all aimed at facilitating their success.

In my role, I provide guidance and mentorship to students, assisting them in confidently navigating technical seminars and project dissertations, thereby enhancing their confidence and proficiency.

I mentored students in creating the "Thermal Sensor" product, which was implemented and utilized in India during the COVID-19 pandemic. Additionally, I supervised the development of the "Diginotes" application, which was subsequently deployed in the Android store. This app gained widespread usage among the student community for accessing study materials.

I attribute my success to my exceptional communication and interpersonal skills, alongside a self-confident and innovative approach, enabling me to adapt quickly to evolving processes and trends.

Awards/Achievements/Others:

Courses Taught:

Programming: Problem Solving in C, C++, Data Structures, Java, Python.

Computer Hardware and System Software Concepts: Logic Design.

Database Management: Database Management Systems.

Networks: Computer Networks, Cloud Computing and Storage Area Network.

others: Graph theory, Finite language automata theory, Management Information Science, Software Engineering, System modelling and simulation, Object oriented modelling and design.

Publications/Patents:

Publications	- Journal: GRADIVA REVIEW JOURNAL Title: A Comprehensive Overview of Deep Learning Technique for Food Recognition. Issue: VOLUME 10 ISSUE 1 Jan 2024. - Journal: IEEE International Conference on Advances in Electronics, Communication, Computing And intelligent information systems (ICAECIS-23) Title: Rice Quality Analysis Based on Physical Attributes Using Image Processing and Machine Learning. - Journal : GRADIVA REVIEW JOURNAL Title: Captioning Brain Tumor MRI images using Deep Learning Methods Issue: VOLUME 9 ISSUE 1 2023 - Journal : International Journal of Scientific Research in Science, Engineering and Technology
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	Title: Fashion-MNIST Clothing Classification using Deep Learning Issue: Volume 9, Issue 3, May-June-2022 - Journal : International Journal of Scientific Research in Science, Engineering and Technology Title: Attendance Management System Using Facial Recognition Issue: Volume 9, Issue 3, May-June-2022 - Journal: International Journal of Scientific Research in Engineering and Management. Title: "IOT Smart Cradle System for Infant Monitoring" Issue: Volume 5, Issue 7, July 2021 - Journal: International Journal of Scientific Research in Engineering and Management. Title: "A Case Study on IoT-Based Home Security Using Raspberry Pi" Issue: Volume 4, Issue 10, Oct 2020 - Journal: International Journal of Scientific Research in Engineering and Management. Title: "Object Detection and Segmentation, A Survey using Yolo v3" Issue: Volume 4, Issue 8, August 2020 - Journal: International Journal of Research. Title: "Cloud Security Ecosystem for Data Security" Issue: Volume 7, Issue 2, Feb 2020 - Journal: International Journal of Research. Title: "Review on Underwater Sensor Networks" Issue: Volume 4, Issue 5, April 2017 - Journal: International Journal of Recent Trends in Engineering & Research Title: "Wireless Network Security Fundamentals and Technologies" Issue: Volume 3, Issue 4, April 2017.
Patents	- Title : System and Method of Food Recognition and Diet Correction Using Deep Learning Techniques Application no and Published Date : 202341034574 5/17/2023 - Title : System and method of birds species identification using neural networks Application no and Published Date : 202341028719 4/20/2023 - Title : Food Processing and quality assurance using AL and ML. Application no and Published Date : 202341000002 01/01/2023. - Title: High Resolution Remote Sensing Imagery Road Extraction Using Deep Learning. Application no and Published Date: 202141029983, 16-07-2021. - Title: Machine Learning Based Eeg Signal Processing For Smart Patient Monitoring System. Application no and Published Date: 202141022214, 11-06-2021.
Book/Book	

Chapters	
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Research and Consultancy: