

KAVYASHREE

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PROFESSIONAL SUMMARY

Currently serving as an Assistant Professor in the Department of Artificial Intelligence and Machine Learning at B.M.S. College of Engineering, combining effective teaching with strong academic administration skills. Experienced in curriculum design, assessment coordination, and mentoring undergraduate student projects leading to publications and patents. Passionate about research in Machine Learning, Artificial Intelligence, and Image Processing. Committed to academic excellence, continuous learning, and contributing effectively to teaching, research, and institutional development while fulfilling the mission and goals of the organization.

SKILLS

- **Programming Languages:** Python, Java, C
- **Web:** HTML, CSS
- **Database:** MySQL, MongoDB
- **Operating Systems:** Windows, Linux and Ubuntu
- **Tools:** VS Code, Jupyter Notebook, Google Colab,MATLAB

WORK HISTORY

Assistant Professor – Department of Machine Learning (AI & ML) <i>B.M.S. College of Engineering, Bangalore</i>	July 2026 – Present
Assistant Professor – Computer Science and Engineering <i>Dayananda Sagar University(DSU), Bangalore</i>	Sep 2022 – June 2026 <i>Courses Handled</i>
• Data Structures using C • Computer Networks • Design and Analysis of Algorithms • Machine Learning • Database Management Systems • Machine Learning for Healthcare • Data Science • Object-Oriented Programming • Linux Programming • C Programming	

EDUCATION

PhD <i>University : VTU, Research Center : MSRIT, Focus Area : Machine Learning,Image Processing</i>	Bangalore,Karnataka <i>Present</i>
University Visvesvaraya College of Engineering <i>M.Tech in Computer Science and Engineering(Web Technologies): CGPA : 9.52/10</i>	Bangalore,Karnataka <i>2018 -2021</i>
Don Bosco Institute of Technology <i>B.E in Computer Science and Engineering(CSE): Score : 75.14%</i>	Bangalore,Karnataka <i>2014 - 2018</i>
Doddappa Appa PU College <i>Pre-University Course : Score : 73.3%</i>	Kalaburgi ,Karnataka <i>2012 - 2014</i>
Govt High School Dhuttargaon <i>SSLC : Score : 81.44%</i>	Kalaburgi ,Karnataka <i>2012</i>

PROJECTS

Learning Semantic Text Features for Web Text Aided Image Classification.	2020- 2021
Lower Back Pain Analysis Using Support Vector Machine Classifier <i>Python</i>	Jan - May

PUBLICATIONS

- Published a paper entitled ”**Predictive Evaluation of Heart Failure Outcomes Using Comparative Machine Learning Models**” at the International Conference on Smart Futuristic Technology (ICSFT- 2026), held at Ramnagar,Bangaluru.(IEEE Conference)..
(May’26)
- Published a paper entitled ”**Epilepsy Simulation With AI-Driven Insights and Detection - EpiSimAiD**” at the International Conference on Visual Analytics and Data Visualization (ICVADV-2026), Tamil Nadu, India, India.(IEEE Conference)..
(April’26)
- Published a Journal paper entitled ”**MedGRU-SVC: Hybrid ConvGRU and SVC for Medical Anomaly Detection**” Mathematical Modelling of Engineering Problems, Volume12,Issue11,Pages3879-3886 ISSN: 2369-0739 ;2369-0747 DOI: 10.18280/mmep.121113
(Nov’25)
- Published a paper entitled ”**Forest Fire Detection using Next-Gen Technologies for Ecosystem Protection.**” Hinweis Fourth International Conference on Networking, Communication and Computing Technology (NCCT 2025) ,Grenze International Journal of Engineering and Technology. pp.1-9, 2026
(Oct’25)
- Published a paper entitled ”**Glaucoma Detection using Deep Learning on Retinal Fundus Images.**” Hinweis Fourth International Conference on Networking, Communication and Computing Technology (NCCT 2025) ,Grenze International Journal of Engineering and Technology. pp.1-9, 2026
(Oct’25)

- Published a paper entitled ” **Autism Spectrum Disorder of Computational Prediction using Machine Learning.**” at the International Conference on Sustainable Communication Networks and Application (ICSCN -2025), held at Tamil Nadu, India.(IEEE Conference).pp.1-5, DOI: 10.1109/icscn67106.2025.11308691.Dec 2025 *(Oct’25)*
- Published a paper entitled ” **A Smart Electricity Meter Using IoT for Real-Time Monitoring and Remote Control.**” at the 2025 International Conference on Emerging Technologies in Electronics and Green Energy (ICETEG2025), held at Mysore, India.(IEEE Conference). *(Oct’25)*
- Published a paper entitled ” **Vision-Based Solid Waste Segregator: Leveraging Transfer Learning and Robotics.**” at the IEEE North Karnataka Subsection Flagship International Conference (NKCon), held at KLE Institute of Technology, Hubballi (IEEE Conference). DIO:10.1109/NKCon66957.2025.11345796 *(Sep’25)*
- Published a paper entitled ” **Comparative Analysis for Calorie Burn Prediction Using Machine Learning Techniques.**” at the 1st International Conference on Smart Technologies and Intelligent Computing (INCSTIC 2025), held at Geeta University, Haryana (CRC Press, Taylor Francis). *(Oct’25)*
- Published a paper entitled ” **NeuroGaitAssist: Advanced Gait Analysis for Detecting Neurological Disorders and Aiding Paralysis Patients.**” at the 9th International Conference on Inventive Systems and Control (ICISC 2025), held at Tamil Nadu, India.(IEEE Conference). DIO:10.1109/ICISC65841.2025.11188245 Oct 2025 *(Aug’25)*
- Published a paper entitled ” **Multi-Disease Detection Using Hybrid Models and Transfer Learning: Cardiovascular, Pulmonary, Retinal and Renal.**” at the 9th International Conference on Inventive Systems and Control (ICISC 2025), held at Tamil Nadu, India.(IEEE Conference). DIO:10.1109/ICISC65841.2025.11188016 Oct 2025 *(Aug’25)*
- Published a paper entitled ” **Automated Detection of Phishing Website Using Machine Learning Techniques.**” at the 9th International Conference on Inventive Systems and Control (ICISC 2025), held at Tamil Nadu, India.(IEEE Conference). DIO:10.1109/ICISC65841.2025.11188231 Oct 2025 *(Aug’25)*
- Published a paper entitled ” **AI-Driven Urine Analysis for Non-Invasive Kidney Stone Detection: A Machine Learning Approach.**” at the 2025 Third International Conference on Networks, Multimedia and Information Technology (NMITCON-2025), held at NMIT, Bengaluru, India.(IEEE Conference) DIO: 10.1109/2025.11188196 Oct 2025 . *(Aug’25)*
- Published a paper entitled ” **Virtual Clothing Try-On-System for Online Shopping.**” at the 2025 3rd World Conference on Communication Computing (WCONF-2025), held at Kalinga University Kotnai Near Mantralaya Naya Raipur(IEEE Conference) DIO: 10.1109/WCONF64849.2025.11233516 Nov 2025 . *(July’25)*
- Published a paper entitled ” **Comparative Analysis of Machine Learning Algorithms for Water Region Classification in Flood-Affected Areas.**” at the 6th International Conference on Machine Learning, Image Processing, Network Security and Data Science (MIND 2024), held at NIT Goa, India (Springer), pp. 450–462, ISSN: 1865-0929, 1865-0937, ISBN: 978-9-8116-1092-9, DOI: 10.1007/978-3-032-14531-4 38.. *(Jan’26)*
- Published a paper entitled ” **A Novel Methods for Detecting Normal and Abnormal Crowd Dynamics using Optical Flow and Energy Level Analysis.**” at the Sixth International Conference on Advances in Electrical and Computer Technologies 2024 (ICAECT 2024) Tamil nadu ,India.(CRC, Taylor and Francis) Jun 2025 *(Sep’24)*

PATENTS

- Published a Patent entitled ” **Iot-Based Smart Power Meter System FOR Real-Time Monitoring AND Efficient Energy Management**”
Application No:202541055050 | Filed under Indian Patent Office. *(June’25)*
- Published a Patent entitled ” **Multi-Stream Gradient Boosting LIGHTGBM Framework for Alzheimer’s Disease Diagnosis Using MRI and PET Datasets**”
Application No: 202641007107 | Filed under Indian Patent Office. *(Feb’26)*
- Published a Patent entitled ” **An IoT-Enabled Intelligent Aquaculture Monitoring and Automated Control System with Vision-Based Analysis and AI-Assisted Decision Support**”
Application No:202641011438 | Filed under Indian Patent Office. *(Feb ’26)*

GRANTS

- **Innovative Healthcare Technology AI-BASED Smart Band for Asthma Patient Health Monitoring**
Funded by KSCST | 4,000/- | Project Guide *(April’26)*

CERTIFICATIONS

- Attended a 7-days online FDP on ” **Generative AI for Natural Language Processing: Emerging Trends and Applications**” ” at ” **Kangeyam Institute of Technology, Kangeyam**”,form 27 July 2026 to 31 July 2026.
- Attended a 7-days online FDP on ” **Data Science (ML and AI)** ” organized by” **EICT Academy Consortium**”, a joint initiative of MeitY and IITs, NITs, and IIITs, from 23rd Feb to 8th March 2026.
- Attended a 5-days online FDP on ” **AI and Next-Gen Technologies for a Sustainable World: Breakthroughs in Health, Agriculture, and Intelligent Infrastructure**” organized by ” **Dayananda Sagar University and ATAL Academy**”, from 6th to 11th Jan 2025.
- Attended a 5-days FDP on ” **Machine Learning and Generative AI with Quantum Programming**” at **Dayananda Sagar University** , from 3rd to 9th December 2025.

- Attended a 7-days online FDP on ”**Augmented Reality and Virtual Reality (AR and VR)** ” organized by” **Dayananda Sagar University,** ”, a joint initiative of MeitY and IITs, NITs, and IIITs, from 23rd Feb to 8th March 2026.
- MATLAB Cerificate ”**MATLAB Onramp** ” organized by **Mathworks Training Services** , 14th Nov 2024.
- Attended a 5-days FDP on ”**AWS Cloud Essentials**” at **Dayananda Sagar University** ,from 9th to 14th Aug 2023

NPTEL COURSES

- **Computer Vision and Image Processing – Fundamentals and Applications** *Jan–Apr 2026*
- **Introduction to machine Learning** *Jul–Apr 2026*
- **Machine learning for Engineering and Science Applications** *Jan– Apr 2026*
- **Machine Learning and Deep Learning – Fundamentals and Applications** *Jul–Oct 2024*
- **Computer Networks and Internet Protocol** *Jan–Apr 2024*
- **Data Analytics with Python** *Jan–Apr 2020*

ACADEMIC CONTRIBUTIONS

- Time Table Coordinator.
- ERP Coordinator.
- Coordinated and conducted FDP Event Organizer,Hackthon .
- Mentored students in paper writing and conference presentations.
- Student Mentoring and Academic Record Management.
- Class Advisor: Maintained academic records and facilitated student-parent communication.

PERSONAL INFORMATION

- Date Of Birth: 15/08/1996
- Gender: Female
- Nationality: Indian
- Martial Status: Married