

Dr. C.Ranjeeth Kumar., B.Tech, M.E., Ph.D

Professor | Dean – Innovation & Entrepreneurship | Artificial Intelligence Researcher

📍 Kurnool, Andhra Pradesh, India

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Professional Summary

Professor and academic leader with over 16 years of experience in Computer Science and Engineering, specializing in Artificial Intelligence, Machine Learning, Computer Vision, and Deep Learning. Proven expertise in research leadership, curriculum development, funded projects, consultancy, innovation, and entrepreneurship. Published 30+ research papers, secured multiple research grants, filed five patents, and led AI-driven industrial collaborations with organizations including Rolls-Royce, GE Healthcare, L&T Technology Services, and Cameron. Currently serving as Dean – Innovation & Entrepreneurship, mentoring faculty, researchers, and startups while driving institutional innovation and industry partnerships.

Academic Highlights

Experience	: 16 Years in Teaching, Research & Academic Leadership
Research Supervision	: Anna University Recognized Supervisor, Doctoral Supervisor (DBA-ET)
Publications	: 14 SCI/Scopus Indexed Research Papers & Peer-reviewed
Patents	: 05 (2 Granted, 3 Published)
Research Funding	: ₹11+ Lakhs Secured
Industry Consultancy	: ₹35+ Lakhs Executed
Project Mentoring	: 20+ UG/PG Student Projects Guided
Reviewer Roles	: Reviewer for 15 International SCI/Scopus Journals

Core Research Interests

Artificial Intelligence, Machine Learning, Deep Learning, Computer Vision, Generative AI, AI in Education & AI for Smart Manufacturing

Core Competencies

Academic Leadership, Industry Consultancy, Faculty & Research Mentoring, Innovation & Entrepreneurship, AI Solution Development & Interdisciplinary Research Collaboration.

Academic Appointments

Position	Institution	Duration
Dean – Innovation & Entrepreneurship, Professor-CSE	G.Pullaiah College of Engineering and Technology, Kurnool, Andhra Pradesh	Feb 2025 – Present
Scientific Resident	Skyworks Solutions de México, Mexicali, B.C.	Sep 2026 – Oct 2026
Adjunct Faculty Member	Golden Gate University, San Francisco, USA (Remote)	March 2025–Present
Professor	Ashoka Women's Engineering College, Kurnool, Andhra Pradesh	May 2024 – Dec 2024

Associate Professor	Sri Ramakrishna Engineering College, Coimbatore, Tamil Nadu	Jun 2010– Apr 2024
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Educational Qualification

- Ph.D. in Information & Communication Engineering – Anna University, Chennai, 2022
- M.E. in Computer Science & Engineering – Sri Krishna College of Engineering & Technology, Coimbatore, 2010
- B.Tech in Information Technology – Dr. Mahalingam College of Engineering & Technology, Pollachi, 2008

Funded Research & Consultancy

Project Title/ Grant	Sponsor	Amount	Role
Generative AI and Voice Intelligent Platform Development	Vensora AI Innovations Private Limited, Nepal	₹1.0 Lakh	Team Lead & Mentor
AI Robotic Inspection (AIRVIS)	International Aerospace Manufacturing Pvt. Ltd. (Rolls-Royce & HAL JV)	₹23.6 Lakhs	Team Lead & Mentor
AI-powered visual inspection system for bearings	Bimetal Bearings	₹3.40 Lakhs	Team Lead & Mentor
Automated Material Test Report (MTR) validation using AI-based extraction.	Cameron – A Schlumberger Company	₹2.95 Lakhs	Team Lead & Mentor
AI-Powered Manufacturing Solutions	Seed Funding from Sri Ramakrishna Engineering College	₹10 Lakhs	Team Lead
VISGENIX – Automated Facial Attendance System	Seed Funding from Sri Ramakrishna Engineering College	₹1.1 Lakhs	Team Lead
NVIDIA Jetson Nano 2GB hardware Grant	NVIDIA	Jetson Nano Kits	Principal Investigator

Publications

SCI/SCIE & WoS papers : 10
 Scopus Indexed papers : 05
 Peer reviewed papers : 06
 Citations : 129 (Scopus); 247(Google scholar)
 H- Index : 04 (Scopus); 08(Google scholar)
 I10-Index : 06
 Conference Papers : 06 (2 Best paper Awards)

Patents

Patent Title	Type	Status	Year
Smart Glass for Visually Impaired People	Indian Utility Patent	Granted	2024
Exoskeleton for Enhanced Mobility and Support	Registration of Design	Granted	2025
Sensor-Based Smart Device for Automated Content Creation	Indian Utility Patent	Published	2025

Wearable Device for Real-Time Cognitive State Regulation	Indian Utility Patent	Published	2025
System and method for adaptive privacy-aware edge intelligence for personalized health monitoring	Indian Utility Patent	Published	2026

Teaching Portfolio

Teaching Experience

- 15+ years of teaching experience in undergraduate and postgraduate Computer Science & Engineering and Information Technology programs.
- Delivered courses in Artificial Intelligence, Machine Learning, Deep Learning, Computer Vision, Data Science, Programming, Operating Systems, and Emerging Technologies.
- Active contributor to curriculum development, Outcome-Based Education (OBE), innovation-led learning, and interdisciplinary academic initiatives.

Curriculum & Course Development

- Designed and introduced emerging technology courses in Computer Vision, Natural Language Processing, and AI-related domains.
- Developed industry-aligned learning activities integrating real-world case studies, project-based learning, and AI applications.
- Contributed to curriculum revision, laboratory modernization, and academic quality enhancement.

Student Mentorship

- Guided 50+ undergraduate and postgraduate projects.
- Mentored award-winning student teams in national and international hackathons, innovation contests, and industrial competitions.
- Supported student research leading to prototypes, patents, and startup-oriented solutions.

Innovative Teaching Practices

- Integrated NVIDIA Deep Learning Institute resources, cloud AI platforms, and industrial datasets into classroom and laboratory instruction.
- Promoted innovation through ideathons, hackathons, design thinking workshops, and industry-sponsored projects.

Laboratory & Academic Development

- Strengthened AI and Deep Learning laboratory practices using TensorFlow, PyTorch, OpenCV, and NVIDIA Jetson platforms.
- Contributed to AICTE Idea Lab initiatives and interdisciplinary innovation ecosystems. Enabled hands-on learning aligned with Industry 4.0 and AI technologies.

Certifications & Professional Training

- **NVIDIA Deep Learning Institute (NVIDIA DLI)**
- Certified Instructor
 - Fundamentals of Deep Learning
 - Computer Vision for Industrial Inspection
- Certification Coach
 - NVIDIA-Certified Associate: Generative AI & Large Language Models
- Professional Certifications
 - Fundamentals of Deep Learning
 - LLM Applications

- Computer Vision for Industrial Inspection
- Predictive Maintenance
- Accelerated Data Science
- Transformer-Based Language Models
- Jetson Nano AI Fundamentals
- **Oracle**
 - Oracle Cloud Infrastructure (OCI) 2025 AI Foundations Associate
 - Agentic AI Certified Foundation Associate
- **Google Cloud**
 - Google Cloud Generative AI Leader Series
 - 9 Learning Badges
 - 1 Skill Badge
- **Amazon Web Services (AWS)**
 - AWS Academy Graduate – Generative AI Foundations (Badge)
 - AWS Academy Graduate and Educate – Machine Learning Foundations(Badge)
- **IBM**
 - IBM Skills Network – Machine Learning Specialization
 - IBM Skills Academy– Badges: AI Practitioner-Instructor, Design Thinking Practitioner, Team Essentials for AI
- **DeepLearning.AI (Coursera)**
 - Neural Networks and Deep Learning
 - Convolutional Neural Networks
- **Professional Development**
 - AI for Industry & Robotic Process Automation (GUVI–AICTE Skillathon)
 - Business English Certification (Cambridge CEFR Level B1)

Academic Leadership & Program Organization

Role	Programme	Institution	Year
Convener	National FDP on HPC & Quantum Computing (in collaboration with C-DAC Pune)	GPCET, RCEW & RMJIT	2025
Organizer	Awareness Workshop on Cyber Security Integrated with AI	GPCET & RCEW	2025
Organizer	Business Ideathon 2025	Innovation & Entrepreneurship Cell, GPCET	2025
Organizer	National Workshop on Cyber Security	GPCET	2025
Organizer	Seminar on Neural Networks & Deep Learning	IEEE-WIE	2017
Organizer	Workshop on Oracle Database Administration	SREC	2013

Professional Membership

- Computer Society of India (CSI)- Life Time Member
- Indian Society for Technical Education (ISTE) - Life Time Member
- Artificial Intelligence, Machine Learning, Innovative Entrepreneurs, and Engineers Association (AMIEE)- Life Time Member

- International Association of Engineers (IAENG)

Invited Talks & Resource Person

Role	Topic	Institution	Year
Session Speaker	Employing AI in Literature Review and Data Analysis	Vivekananda Global University	2026
Session Speaker	AI Tools for Teaching, Research & Academic Writing	UITE Punjab	2026
Session Speaker	WCASET	Malaysia	2025
Resource Person	Generative AI for Smart & Sustainable Computing	Avinashilingam Institute	2025
Resource Person	NVIDIA Fundamentals of Deep Learning	Multiple Institutions	2022–2025
Internal Resource Person	Design Thinking	Sri Ramakrishna Engineering College	—
Resource Person	Deep Learning for Robotic Systems using NVIDIA	Sri Ramakrishna Engineering College	2021

Academic Expert, Reviewer & Jury Roles

Role	Event / Organization	Year
Jury Member	International Conference on Artificial Intelligence, Innovation & Sustainable Development (ICAIISD-2026)	2026
Jury Member	National Innovation Hackathon	2026
Subject Expert	ORAL	2026
Jury	Smart India Hackathon Grand Finale	2022
Jury	Toycathon Grand Finale	2021
Academic Expert	AI Project Expo	2019

Faculty Development Contributions

Contribution	Details
NVIDIA Certified Instructor	Fundamentals of Deep Learning
NVIDIA Certified Coach	Generative AI LLMs
Conducted FDPs	Deep Learning, AI, Computer Vision
Faculty Capacity Building	AI, Design Thinking, Innovation & Entrepreneurship

Faculty Development Programs (FDPs), Short-Term Training Programs (STTPs), Workshops, Seminars & Webinars Attended

- Completed 20+ Faculty Development Programs (FDPs), Short-Term Training Programs (STTPs), Workshops, Seminars, and Technical Webinars conducted by AICTE, ATAL Academy, Ministry of Education (MoE), MeitY, IIT Bombay, NIT Warangal, NVIDIA Deep Learning Institute, IBM Skills Academy and other premier academic and research institutions.
- Strengthened academic and research expertise in Artificial Intelligence, Machine Learning, Deep Learning, Computer Vision, Generative AI, Large Language Models (LLMs), Quantum Computing, Quantum Communication, Data Science, Internet of Things (IoT), Industry 4.0, Cyber Security, Software Engineering, Outcome-Based Education (OBE), Curriculum Design, Innovation, Design Thinking, Entrepreneurship, and Research Methodology.
- Participated in AICTE-QIP, ATAL Academy, MeitY-sponsored, and Industry-Academia professional development programmes focusing on emerging technologies, effective teaching-learning practices, curriculum development, assessment strategies, and applied research.

- Attended specialized FDPs and workshops on Quantum Communication in 6G Technology, Quantum-Resilient Internet, Artificial Intelligence, Machine Learning, Deep Learning using Python, Data Science, Modern IoT Tools, Web Application Security, Object-Oriented Analysis & Design, and Building Technology Ventures offered by nationally recognized institutions.
 - Continuously engaged in professional learning through national and international seminars and webinars on Artificial Intelligence, Healthcare Applications, Brain-Computer Interfaces, Research Writing, Emerging Technologies, and Post-COVID Science & Technology, organized by IEEE, SRM University AP, Kumaraguru College of Technology, Ministry of Education Innovation Cell, and other reputed organizations.
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Mentorship Activities for Innovative Project Contest and Hackathon:

- Mentored, “Micro Intern” project – 1st Prize, Syntax2Code Hackathon conducted by RMJ IT private Solutions, Kurnool
 - Mentored “Vision Mate: Smart Glass for Visually Impaired People”-1st Prize at District-Level Innovation Contest, organized by AP Youth Sciences Dept. at RCEW, 22 October 2025.
 - Mentor, Worldwide AI Hackathon (Wow AI & Transatlantic AI eXchange, WowDAO) – guided global AI teams.
 - Guided project on synthetic data generation for casting process – recognized by ELGi Technology Day.
 - Mentored “Women’s Safety Surveillance System” – 2nd Prize, HACKERJACK 1.0, Bannari Amman Institute of Technology (2020).
 - Mentored “Wearable Technology” – shortlisted, National Innovation Contest 2020, MoE’s Innovation Cell, AICTE.
 - Mentored “Smart Car Accident Detection & Prevention” – 1st Prize, SRISHTI 2020, Saintgits College of Engineering (₹12,000 award).
 - Mentored “Face Recognition with Mood Identifier” – Runner-up, Infosys Inter-Collegiate Hackathon 2020.
 - Mentored “Digitization of Swing Check Valve (SCV)” – 2nd Prize, INNOVAY 2019, Cameron Manufacturing India (Schlumberger).
 - Mentored “Wearable Technology for Elderly” – Sustainable Leadership Award, International Center for Technological Innovations (crowdfunded ₹18,050).
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Awards/Recognition

International Recognition

- Top 100 International Distinguished Educators Award – Green ThinkerZ (2020)
- Faculty of the Year (Engineering – Male) – 3rd International Business & Academic Excellence Awards (IBAE 2021), for excellence in academia, research, mentorship, and leadership.
- Certificate of Mentorship Achievement – Worldwide AI Hackathon (Global Recognition, 2023)

National Recognition

- Jyestha Acharya Award – Bharat Education Excellence Awards (BEEA 2025), BrainOVision Solutions Pvt. Ltd., for academic excellence, innovation, and leadership.
- Outstanding Faculty Mentor Award – National Research Academy, Puducherry (2021)
- Awarded NVIDIA® Jetson Nano™ Developer Kit for contributions to NVIDIA GTC (2021)

Industry Recognition

- Recognized by L&T Technology Services (LTTS) as Technical Evaluator, Techgium/TechLeague 2024, for contributions to evaluating future technology leaders.

- Selection & Acceptance (Funded) – Scientific Residence Program (2026–2027), Skyworks Solutions de México: Selected through an internal evaluation process as the principal candidate for the industrial project "Predictivity Test Process" with a funded stipend arrangement (Mexicali, B.C., 2026).
- Certificate of Appreciation – Wipro GE Healthcare Pvt. Ltd., for mentoring industry-sponsored student projects.
- Certificate of Appreciation – LTTS Techgium 2023 (6th Edition), for mentoring innovative student projects.

Institutional & Academic Recognition

- Certificate of Appreciation – Google Cloud Career Launchpad Programme, for facilitating student participation in cloud and AI learning initiatives at G.Pullaiah College of Engineering and Technology.

Declaration

I hereby declare that the information furnished above is true, complete, and correct to the best of my knowledge and belief.

Date: 11-09-2026

Place: Kurnool, Andhra Pradesh

(Dr. C. Ranjeeth Kumar)