

BIO DATA

Dr. ARJUN B. C

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Professional Summary:

Dedicated and accomplished **Professor of Computer Science & Engineering (Artificial Intelligence & Machine Learning)** at **Malnad College of Engineering, Hassan** with **16 years of experience** in Teaching, Academic Leadership, Research, Industry and curriculum development. Expertise in AI, Machine Learning, AR-VR, and Software Engineering with a proven track record in research publications, Patents, Grants, and student mentoring. Passionate about fostering innovation and interdisciplinary collaboration in higher education.

Education:

- **PhD in Computer Science and Engineering** from **Vishveshwaraya Technical University** in 2022 March.
- **M.Tech in Industrial Automation & Robotics (Gold Medal)** from Malnad college of Engineering, VTU in 2011.
- **B.E in Computer Science and Engineering** from Bahubali College of Engineering, Vishveshwaraya Technical University in 2007.

Academic & Administrative Experience:

- Working as Professor **of Computer Science and Engineering (Artificial Intelligence & Machine Learning)** at Malnad College of Engineering (from 19th May 2025 to till date)
- Worked as **Professor & Head in Department of Computer Science and Engineering**, RIT Hassan (from 12th July 2024 to 19th May 2025)
- Worked as **Professor & Head in Department of Information Science** and

Engineering, RIT Hassan (from 1st April 2023 to 12th July 2024)

- Worked as **Associate Professor & Head** in Department of Information Science and Engineering, RIT Hassan (from 1st April 2022 to March 2023)
- Worked as **Assistant Professor & Head** in Department of Information Science and Engineering, RIT Hassan (1st Sept 2012 to 31st March 2022)
- Worked as **Lecturer** in Department of Information Science and Engineering, Rajeev Institute of Technology, Hassan from 18th July 2011 to 31st Aug 2012.
- Worked with “**HCL infosystems**” as a Software Engineer (programmer) (from Dec 2007 to June 2009).
- Worked with “**Cryogen Technical Solutions**” as an Associate Engineer (from June 2007 to Dec 2007).

Leadership & Institutional Contributions:

- **Successfully Led NBA Accreditation Process (Application to Grant) at RIT, Hassan (2024)** - Spearheaded the entire NBA accreditation process for the ISE Department, ensuring compliance with Outcome-Based Education (OBE), and continuous improvement practices. Collaborated with faculty, industry experts, and administration to achieve successful accreditation approval.
- **Successfully Coordinated NAAC ‘A’ Grade Accreditation Process (Application to Grant) at RIT, Hassan (2024)** – Directed the end-to-end NAAC accreditation process, including self-study report (SSR) preparation and DVV clarification.
- **Led AICTE & VTU Affiliation Process (2012-2018)** – Successfully managed and streamlined the AICTE and VTU affiliation process for 7 years, ensuring regulatory compliance, curriculum alignment, faculty approvals, and infrastructure accreditation, contributing to the smooth operation and academic excellence of the institution.
- **Exam Coordinator, RIT Hassan (2015 – 2018)** Managed and streamlined examination processes for five years, ensuring error-free conduct of internal and external university exams.

Funded Research & Grants:

- **AICTE IDEA LAB 2024-25 Grant ₹90 Lakh** – Successfully authored the proposal and cleared the interview process to secure ₹60 Lakh funding from AICTE for establishing an AICTE IDEA LAB at RIT, Hassan. The lab focuses on AI, IoT, 3D Printing, AR-VR, Robotics, and emerging technologies to drive innovation, prototyping, and experiential learning in engineering education.

Consultancy work:

- **Received an amount of ₹2, 04,699/- as consultancy work** from CDAC Hyderabad under the Future Skill Prime program, funded by NASSCOM and the Ministry of Information Technology, for upskilling students.

Professional Achievements:

- **Established the Augmented Reality & Virtual Reality Center of Excellence Lab and designed the course module for ARVR.** 198 students were trained and certified with 8 intern position offer in AY 2023-24.
- **Guided 2 students to obtain International Certification on Unity Associate for ARVR AY 2024-25.**
- **Established the CDAC Future Skill Prime SPOKE and successfully up-skilled students in cybersecurity and blockchain.**
- Facilitated the attainment of approximately 170 cybersecurity certifications and 66 blockchain security certifications by students during the academic year 2023-24.

Research Guidance (Ph.D. Scholars):

- Mr. Vishwas B D - **Completed Comprehensive Viva**
- Mr. Sindhu Jain A M - **Completed Course Work**
- Mrs. Chithra A R – **Course Work under process**

Achievements:

- **Secured Gold Medal in Master of Technology.**
- Second price in National level project expo, Adichunchanagiri University, Project title “Augmented reality Application” Ay 2024-25.
- Best Students Project award “Providing a Platform to Help Farmers Sell Their Produce”- “Agri Fresh Organics tech” 2022.

Application Development:

- Developed Augmented reality based applications for Interactive Learning in Education.
- Developed an Excel-based tool to automate the direct attainment calculation for course.
- Developed a Web Application for Teachers feedback analysis.
- Developed an Excel-based tool to automate exam allotments.

Web Developer / Rajeev Groups of Institutions (2012 – 2023)

- **Designed, developed, and maintained institutional websites** for:
- Rajeev Institute of Technology – rithassan.ac.in
- Rajeev Education Trust – rajeevedu.in
- Rajeev College of Education – rajeevclgedn.org
- Ensured responsive design, optimal site performance, and security best practices.

YouTube Educational Content Creator – RIT Hassan Official

- Created and published technical **tutorial videos on Technical Writing using LaTeX and Automated Software Testing** on the official RIT Hassan YouTube channel.
- **Achieved 1K+ views**, contributing to knowledge sharing and student engagement.

Digital Marketing Experience:

- Managed and optimized Facebook and Instagram sponsored ads to enhance college outreach.
- Created and analyzed ad campaigns to enhance brand visibility and audience reach.

Certifications:

- Cegon info solution **Certified as Software Testing Engineer** in automation sector.
- Capacity Building Programme on Cybersecurity Certification , IIT Madras, under the aegis of Ministry of Education, Govt of India, through Malaviya Mission Teacher Training Programme.
- Generative AI Foundations: IT Integration with Generative AI, Infosys Springboard.
- Artificial intelligence and Machine Learning, Infosys Springboard.
- Data Science, A course on cognitiveclass.ai powered by IBM Development Skills Network.

Workshops/FDP/symposiums attended

- **Capacity Building Programme on Cybersecurity** – Basic Course organized by TLC, IIT Madras and conducted by IITM during 23rd dec to 30th dec, 2024.
- **Artificial Intelligence and Machine Learning**, Completed course in Infosys Springboard on Dec 31, 2024.
- **Generative AI Foundations: IT Integration with Generative AI**, Completed course in Infosys Springboard on Dec 30, 2024.
- **Cloud Infrastructure (AWS)** organized by Brain vision Solutions India. Pvt Ltd in collaboration with AICTE, on 21st to 25th Aug 2023.
- **Deep Learning and its Applications** organized by Dept of CSE, in association with ISTE and IEEE at KIT, Tiptur on 6th to 10th March 2023.
- **Natural Language Processing** organized by the Department of Computer Science and Engineering, Presidency University, Bangalore on 14-03-2022 to 18-03-2022
- **A Real time practical approach of deep learning with keras using colab**, organized by Dept. of ISE, in association with Computer Society of India (CSI) at Sir MVIT, Bangalore on 25th to 27th June 2021.
- **Multidisciplinary Trends in Information Technology** organized by Department of Computer Science and Engg. In association with CSI at AIT, chikkamagaluru on 21st – 25th July 2020.
- **Image Processing and its applications in MatLab** in association with Vidvath Technologies Pvt. Ltd. at Dept. of EC, RIT, Hassan, 3 days workshop 21st Feb to 2nd Feb 2018.
- **New Model curriculum for first year BE/B.Tech – CBCS as per outcome based education (OBE) format including CO and Bloom;s Taxonomy under TEQIP-1.3 for CSE board** conducted by VTU at SCCE, Mangalore on 19th May 2018.
- **Machine Learning and Implementations** organised by IQAC-GMIT davangere, 3 days Faculty development program 4th to 6th July 2018.
- **Mathematics behind Machine Learning** organised by Dept. of ISE SJCE Mysore, 3 days national level workshop 21st to 24th Aug 2014.
- **One day symposium on Sustainability Agenda for Technical Education Institutes located in Tier-II and rural areas in Karnataka**, gubbi tumkur on 27th Sep 2014.
- **Software Testing and Quality assurance** organised by Dept. of ISE, acharya institute of technology, 3 days workshop 22nd to 24th Jan 2013.

Convener for below listed program

- **“BOOTCAMP Demystifying Android App Security”** organized by future skill prime CDAC in association with RIT from 2nd Dec 2024 to 6th Dec 2024.
- **“Workshop on AR and VR at Department of ISE”**, Rajeev Institute of Technology, Hassan from 26-04-2023 to 30-04-2023.
- **“Faculty Development Program on Block Chain Technology”** at Department of ISE, Rajeev Institute of Technology, Hassan from 09-03-2023 to 17-03-2023.
- **“Faculty Development Program on Cyber Security at Department of ISE”**, Rajeev Institute of Technology, Hassan from 15-02-2023 to 28-02-2023.
- **“Hash 1.0# Java, Python and Web development at Department of ISE”**, Rajeev Institute of Technology, Hassan on 17th and 18th 2021.
- **“Machine Learning by GeeksLab Technologies Pvt. Ltd.”** In association with IIT-Delhi at Department of ISE, Rajeev Institute of Technology, Hassan, 25th March to 28th March 2019.
- **“Ethical Hacking and Cyber Security at Department of ISE”**, Rajeev Institute of Technology, Hassan on 1st and 2nd March 2019.
- **“Four days workshop on Machine learning the practical approach working with python & R at Department of ISE”**, Rajeev Institute of Technology, Hassan from 25th to 28th march 2019.
- **“Hackberry 1.0 Internet of Things (IoT)”** in association with IIT varanasi at Department of ISE, Rajeev Institute of Technology, Hassan on 1st and 2nd march 2018.
- **“Robot Process Automation in association with Automation Anywhere at Department of ISE”**, Rajeev Institute of Technology, Hassan, on 29th sept to 7th oct 2018
- **“Python in association with Free software movement of Karnataka (FSMK)”** at RIT, on 27th and 28th oct. 2018.
- **“Android App development in association with FACE ACADEMY”**, at Department of ISE, Rajeev Institute of Technology, Hassan, on 15th sept to 16th March 2018.
- **“Basics of Web technologies”** by Tech-D group in association with Free software movement of Karnataka (FSMK)” at RIT, on 6th and 7th oct. 2017.

Subjects taught and Guided for UG and PG:

M.Tech (PG-CSE):

1. Data Science
2. Artificial Intelligence and Machine Learning
3. Digital Image Processing
4. Computer Graphics
5. Research Methodologies

B.E (UG-CSE/ISE) :

1. Machine Learning
2. Artificial Intelligence
3. Web Programming
4. Software Testing (TOSCA Automation)
5. Operation Research
6. .Net frame work & Application development

Supervised: 3 PhD Scholars, 12 PG thesis and 34 UG projects.

Research area:

- Artificial Intelligence and Machine Learning, Digital Image Processing, Computer Graphics, Data Science etc.

Editorial Board member

- **Editor in Chief of International Conference on Advances in Computing, Control, and Telecommunication Technologies ACT 2023, ISBN: 978-81-955890-5-0.**

Reviewer

- **Reviewer, Indonesian Journal of Electrical Engineering and Computer Science Scopus indexed journal.**
- Reviewer, IEEE International conference on Advances in Information Technology (ICAIT-24).
- IEEE International Conference on Distributed Computing and Electrical Circuits and Electronics (ICDCECE-2025)
- Reviewer, Asian Journal of Research in Computer Science.

Resource person

- Resource person on the topic “Computer Applications in Ayurveda” induction program dated 16-03-2023 organized by RIAMS.
- Resource person on the topic “Computer Applications in Medical Field” induction program in 2022 organized by RIAMS.

Published 31 International journals and conference papers

- [1] Automated Kannada Hand Gesture Using Convolution Neural Network, International Journal of Scientific Research in Engineering and Management (IJSREM) Volume: 09 Issue: 05 , May – 2025, ISSN: 2582-3930
- [2] Enhancing Automotive Safety through Advanced Human Action Recognition Techniques The 6th International Symposium on Advanced Technologies and Applications in the Internet of Things (ATAIT 2024), August-19-22, 2024., Kusatsu, Japan. **(Scopus)**
- [3] REVOLUTIONIZING HEALTHCARE THROUGH AUGMENTED REALITY INTEGRATION IN MEDICAL TRAINING, International Scientific Journal of Engineering and Management, ISSN: 2583-6129, Volume: 03 Issue: 04 | April – 2024 DOI: 10.55041/ISJEM01707
- [4] IMMERSIVE LEARNING: VIRTUAL REALITY'S IMPACT ON MEDICAL CURRICULUM, International Scientific Journal of Engineering and Management ISSN: 2583-6129 Volume: 03 Issue: 05 | May – 2024 DOI: 10.55041/ISJEM01740.
- [5] ENHANCING MILITARY TRAINING THROUGH VR APPLICATIONS International Scientific Journal of Engineering and Management ISSN: 2583-6129 Volume: 03 Issue: 05 | May – 2024 DOI: 10.55041/ISJEM01739
- [6] Beyond Books: Exploring AR in Education with Unity3D International Scientific Journal of Engineering and Management ISSN: 2583-6129 Volume: 03 Issue: 05 | May – 2024 DOI: 10.55041/ISJEM01738
- [7] Chronic Disease Prediction after Covid-19 using Machine Learning, June Issue 2023, Proceedings of the International Conference on Advances in Computing, Control, and Telecommunication Technologies ACT 2023-conference, Grenze International Journal of Engineering and Technology, ISBN: 978-81-955890-5-0. **(Scopus)**
- [8] Securing the Data using Steganography Technique in Images, June Issue 2023, Proceedings of the International Conference on Advances in Computing, Control, and Telecommunication Technologies ACT 2023-conference, Grenze International Journal of Engineering and Technology, ISBN: 978-81-955890-5-0. **(Scopus)**
- [9] A Survey on Deep Learning Methods for Speech Emotion Recognition, June Issue 2023, Proceedings of the International Conference on Advances in Computing, Control, and Telecommunication Technologies ACT 2023-conference, Grenze International Journal of Engineering and Technology, ISBN: 978-81-955890-5-0. **(Scopus)**
- [10] Real-Time Driver Tiredness Detection using CNN, YOLO, and the Camshift Algorithm, June Issue 2023, Proceedings of the International Conference on Advances in Computing, Control, and Telecommunication Technologies ACT 2023, -conference ,Grenze International Journal of Engineering and Technology, ISBN: 978-81-955890- 5-0. **(Scopus)**
- [11] A Study of Machine Learning Effectiveness in Detecting Credit Card Fraud: KNIME, Volume 11, Issue II, **Feb 2023**, International Journal for Research in Applied Science and Engineering Technology (**IJRASET**) Page No: 1109-1112, ISSN : 2321-9653.
- [12] Performance Analysis of Regression Algorithms for Used Car Price Prediction: KNIME Analytics Platform, Volume 11, Issue II, **Feb 2023**, International Journal for Research in Applied Science and Engineering Technology (**IJRASET**) Page No: 1324-1331, ISSN : 2321-9653.
- [13] Performance Analysis by Using the Knime Analytical Platform to Forecast Heart Failure Using Several Machine Learning Methods", Volume 11, Issue III, **March**

- [14] "Providing a platform to help farmers sell their produce online", International Journal of Artificial Intelligence, Vol. 1, no. 1, 2022.
- [15] Arjun Benagatte Channegowda, Hebbakavadi Nanjundaiah Prakash, "Image Fusion by Discrete Wavelet Transform for Multimodal Biometric Recognition ", **IAES International Journal of Artificial Intelligence (IJ-AI)**. Vol. 11, No. 1, March 2022, pp. 229~237 ISSN: 2252-8938, DOI: 10.11591/ijai.v11.i1.pp229-237. (**Scopus Indexed**) published by Institute of Advanced Engineering and Science (IAES). <https://www.scopus.com/authid/detail.uri?authorId=57216853525>
- [16] Arjun Benagatte Channegowda, H N Prakash, " Multimodal biometrics of fingerprint and signature recognition using multi-level feature fusion and deep learning techniques ", **Indonesian Journal of Electrical Engineering and Computer Science**, 2021, 22(1), pp. 187-195. ISSN: 2502-4752, DOI: 10.11591/ijeecs.v22.i1.pp187-195 (**Scopus Indexed**) published by Institute of Advanced Engineering and Science (IAES). <https://www.scopus.com/authid/detail.uri?authorId=57216853525>
- [17] Arjun B C, H N. Prakash, " Multimodal Biometric recognition system using Face and Finger Vein Biometric traits with Feature and Decision level fusion Techniques" , **International Journal of Computer Theory and Engineering (IJCTE)**. IJCTE 2021 Vol.13(4):123-128 ISSN:1793-8201 DOI: 10.7763/IJCTE.2021.V13.1300 (**Scopus Indexed**) published by International Association of Computer Science and Information Technology Press, <https://www.scopus.com/authid/detail.uri?authorId=57216853525>.
- [18] Classification of Animal Images using CNN & KFA Feature using Score Level Fusion Technique", International Journal of Image Processing and Computer Vision, Vol. 1, no. 1, 2021.
- [19] Arjun B C, H N Prakash, " Multimodal biometric recognition: fusion of modified adaptive bilinear interpolation data samples of face and signature using local binary pattern features ", **International Journal of Engineering and Advanced Technology (IJEAT)**, Vol. 9, no. 3, pp. 2249-8958, Feb. 2020, doi: 10.35940/ijeat.C6117.029320.
- [20] Arjun B C, H N. Prakash, " Feature level fusion of seven neighbor bilinear interpolation data sets of finger vein and iris for multimodal biometric recognition ", **International Journal of Advanced Trends in Computer Science and Engineering**, vol. 9, no.2, 2020, doi: 10.30534/ijatcse/2020/95922020.
- [21] "Survey on Deep learning for Cyber security", International journal of research in electronics and computer engineering, IJRECE, Vol 7, Issue 2, April-June 2019, ISSN: 2348-2281.
- [22] Survey on Deep Learning for Cyber Security, 1st IEEE international conference on Advanced in information Technology (ICAIT-2019), AIT, chikkamagaluru. 25th july 2019.
- [23] "A Survey on Encryption Cloud storage security Algorithms" NET ATI, National conference on Emerging Trends & Advances in IT, Jan 2016. (**BEST PAPER AWARD**)
- [24] "A Survey on Multimodal Biometrics" NET ATI, National conference on Emerging Trends & Advances in IT, Jan 2016.
- [25] Face Recognition using Artificial Neural Networks (ANN) National Conference on recent advances in Information & Communication Engineering (NCRAICE-2016)
- [26] Efficient Signature based biometric system using BPNN, International journal of advanced research in electrical, electronics and instrumentation engineering, ISSN:

2278-8875, IJAREEIE, Vol.5, Issue 4, April 2016.

- [27] An Entropy Maximization and quantization resolution up conversion technique for enhancing the image. National conference on Multimedia Technology and communication system (NCMTCS – 2017) march 2017.
- [28] Multifocus Image Fusion Using Sparse Representation by Adaptive Feature Matching IJARCSSE, Volume 3, Issue 8, 2013, ISSN:2277 128X.
- [29] Authentication of Human Face using Thermal Images by Facial Template Generation, ICET-14, 2014.
- [30] Different Detection method of Node Replication in wireless sensor Networks: A Survey, NCMTCS-14, 2014.
- [31] Detection of Brain Tumor Using Morphological Image Processing, NCMTCS-15, 2014.

PATENT DETAILS:

1. AUGMENTED REALITY HEADSET WITH GESTURE CONTROL INTERFACE :

PATENT - Design No. : 406896-001



2. ARTIFICIAL INTELLIGENCE (AI) BASED NETWORK INTRUSION DETECTION DEVICE

PATENT - Design No. : 434422-001



Book written:

Exploring AR: The Future of Interactive Education, ARCADEMY an Augmented Reality Based Encyclopedia. ISBN:978-93-7020-257-3 (Available in Amazon)

FDP & Publications

<i>Year</i>	<i>FDP / Workshop</i>	<i>Paper Presented</i>
2013	1	1
2014	2	3
2015	1	
2016		4
2017		1
2018	3	
2019		1
2020	1	2
2021	1	3
2022	1	2
2023	2	7
2024	3	5
2025	1	2

PROFESSIONAL MEMBERSHIP DETAILS

Sl.No	Organization	Membership ID
1	IEEE member	100653178
2	Computer Society of India (CSI)	F8005007
3	All India Council For Technical Skill Development	AICTSD/HOD/86637
4	Computer Science Teachers Association (CSTA)	198358020992
5	International Association of Engineers(IAENG)	34997
6	The International Society for Applied Computing (ISAC)	RM2023092203

My identification in research portals:

Details	Author ID	Search link
ResearchGate	Author: Arjun Bc	https://www.researchgate.net/ Search using author name
Google scholar ID	siQ971cAAAAJ Author: Arjun B C	https://scholar.google.com/ Search using author name

PERSONAL DETAILS:

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