

CURRICULUM VITAE

Dr. B.HARI CHANDANA
Associate Professor, CSE
Rajarajeswari College of Engineering (A),
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Career Objective

Seeking a position that allows me to apply my professional skills and educational background, contribute to research and advancements in emerging technologies, and foster strong collaboration and teamwork.

Professional Experience

- Working as Associate Professor in Computer Science and Engineering, Rajarajeswari college of engineering, Autonomous, Bengaluru , from Aug 2025 to till
- Worked as Associate Professor in Computer Science and Engineering, Srinivasa Ramanujan Institute of Technology , A u t o n o m o u s , Anantapuramu ,A P from 2021 to July-2025
- Worked as Assistant Professor in the Department of Computer science and Engineering, Sir C.V Raman Institute of Technology and Sciences from June 2012 to Mar 2016
- Worked as Lecturer in the Department of Computer Science at, NALANDA DEGREE COLLEGE ,Anantapuramu from June 2006 to May 2012
- Taken PG classes at the time of research in SRI KRISHNADEVARAYA UNIVERSITY from 2016-2020
- 18 years of experience in teaching.

Education Qualifications

- **Ph.D. in Computer Science & Technology**
 - Date : 2016-2020
 - Institution : Sri Krishnadevaraya University, Anantapur, Andhra Pradesh, India.

- Major : Computer Science & Technology
- Research Area : Image Processing

➤ **M.Tech (Information Technology)**

- Date : 2010-2012
- Institution : Karnataka state open university , Mysore .
- Major : Information Technology
- Division : Distinction (84.12)

➤ **M.sc (Computer Science)**

- Date : 2004-2006
- Institution : Sri Krishnadevaraya university Anantapuramu .
- Major : Computer Science
- Division : Distinction (82.4)

Eligibility Examinations Qualified (NET /SET)

- Qualified **National Eligibility Test in Computer Science and Application** in JUNE, 2020
- Qualified **Andhra Pradesh State Eligibility Test in Computer Science and Applications** in the year 2019

Research Work For Ph.D

Thesis Title	Security Features Of Indian Currency Recognition Based On Texture Classification Using SVM Classifier
INSTITUTION	Department of Computer Science and Technology, Sri Krishnadevaraya University.515003, Andhra Pradesh, INDIA

PUBLICATIONS

International Journal Papers : 26

1. **Integrated Encryption Framework For Enhanced Data Security In Cloud Storage**, Journal of Theoretical and Applied Information Technology ,VOL.103.No 16,ISSN: 1992-8645,Aug-2025
2. **Protecting in the Digital Age: A Comprehensive Examination of Cybersecurity and Legal Implications**, Next Generation Systems and Secure Computing, ISBN: 978-13-942285-2-2,Mar 2025
3. **The Role of Generative AI in the Metaverse for Enhancing Virtual Worlds**, International Journal of Multidisciplinary Research in Science ,Engineering and Technology, ISSN : 2582-7219,Volume 7,Issue 7,July 2024.
4. **Applications of Large Language Models in Natural Language Understanding**, International Journal of Advanced Research in Education and Technology, ISSN : 2494- 2975,Volume 11,Issue 4,August 2024
5. **Obstacle Detection And Avoidance In Robots Using Sensors**, Technische Sicherheit, ISSN: 1434-9728,Volume 24, Issue 4, 2024.
6. **Unsupervised Domain Adaption in Gender Classification from speech Signals Using Generative Adversarial Networks**, International Research Journal, ISSN: 2349-9249,Vol 11,Issue 6 June 2024.
7. **Collaborative and Cooperative Networking in Vehicular Ad Hoc Networks**, International Journal of Innovative Research of science Engineering and Technology, ISSN : 2319-8753,Volume13,Issue 16,June 2024.
8. **Quantum Computing and Machine Learning: Transforming Network security**, International Journal of Advanced Research in science, Communication and Technology ISSN :2581-9429,Volume 4,Issue 1,June 2024.
9. **Monitoring And Sensing Of Real time Data With Deep Learning Through Micro And Macro Analysis In Hardware Support Packages**, SN Computer Science, ISSN : 2662-995x Volume 4,Article 606,2023.

10. **Faculty Recruitment Platform**, Journal of Emerging Technologies and Innovative Research, ISSN:2349-5162 Volume-10.Issue-05.
11. **Speech-Based Virtual Assistant System For Visually Impaired People**, International Journal of Mechanical Engineering, ISSN: 0974-5823 Vol.7 No.5 May, 2022.
12. **House Price Prediction**, The International journal of analytical and experimental modal analysis, ISSN : 0886-9367 Volume XIV, Issue V, May 2022.
13. **Face Mask Detection Using Machine Learning**, The International journal of analytical and experimental modal analysis, ISSN NO: 0886-9367, Volume XIV, Issue VI, June 2023.
14. **Consumer Behaviour Predictions With Neural And Deep Learning Models**, International Journal of Analytical and Experimental Modal Analysis ,Vol XIII,ISSUE V,May-2021.
15. **Analysis Of Fungal Infection In Plant Leaf And It's Classification Using Network Clustering Concepts**, International Journal of Future Generation Communication and Networking Vol. 14, No. 1, (2021), pp. 1562-1569.
16. **Hidden Security Features For the Recognition Of Fake Currency** International Journal of Advanced Research in Computer Science –Vol.9.no2,March -2018.
17. **Texture classification for the recognition Of Fake Currency** International Journal of Applied Engineering Research issn 0973-4562 volume 13, number 15 (2018) pp. 12379-12387 © research india publications. <http://www.ripublication.com>.
18. **Study on the Counterfeit of Currency Notes of Various Countries Compared Using Advanced Security Features**-Journal of Applied Science and Computations- ISSN NO: 1076-5131.
19. **Data Security Using Nested Randomization and Lossless Compression Techniques**-International Journal of Applied Engineering Research ISSN 0973-4562 Volume 13, Number 15 (2018) pp. 12373-12378 © Research India Publications. <http://www.ripublication.com>.
20. **Implementation of multi agent storage system using cloud computing strategy** © 2019 JETIR February 2019, Volume 6, Issue 2 www.jetir.org (ISSN-2349-5162).
21. **Multi-Level Security Framework on Crypt Images in Private Cloud**- International Journal of Applied Engineering Research ISSN 0973-4562 © Research India Publications.
22. **A State of Method for detecting forged images based on SVM Classifier**, © 2019 JETIR January 2019, Volume 6, Issue 1.
23. **Image Convert Numerical Based and applying BZIP compressions**, International Journal Of Research, ISSN :2236- 6124,Volume 8 Issue 3 –March-2019.
24. **Effective Modern Standby Validation Methodologies In PCs”**,ISSN:2277-723,Volume iii, Issue Vi,June-2019.

25. **An Advanced Road Structure Image Segmentation Method using Swt in Cnn**” International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9 Issue-2S3, December 2019.
26. **Design and Enhancement of License Plate Images Based on Kernel Estimation using Adaptive Filter**, International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9 Issue-2S3, December 2019

International Conference Papers: 15

1. Graph Neural Networks Guided Code Optimization System for Software Performance Enhancement, IEEE Publisher –International Conference on Science Technology Engineering and Management Nov 2025.
2. **Indoor Plant monitoring system using IoT**, International Conference On Innovative Approaches In Engineering & Technology: ICIAET-24, ISBN: 978-07-354513-1-5, Volume 3237, Issue 1 Feb 2025-scopus
3. **Tactile navigation support for blind individuals**, International Conference On Innovative Approaches In Engineering & Technology: ICIAET-24, ISBN: 978-07-354513-1-5, Volume 3237, Issue 1 Feb 2025-scopus
4. **Hybrid Adaptive Framework for Enhanced Weather Prediction Using Machine Learning**, International Conference on Optimization Techniques in the Field of Engineering (ICOFE-2024), ISBN: 978-81-982705-8-0, Nov 2024
5. **Machine Learning in Drones for Enhancing Autonomous Flight and Decision-Making**, International Conference on Optimization Techniques in the Field of Engineering (ICOFE-2024), ISBN: 978-81-982705-8-0, Nov 2024
6. **Optimizing Large Language Models for Multimodal Data Processing**, International Conference on Optimization Techniques in the Field of Engineering (ICOFE-2024), ISBN: 978-81-982705-8-0, Nov 2024
7. **Hybrid Adaptive Framework for Enhanced Weather Prediction using Machine Learning**, International Conference on Optimization Techniques in the field of Engineering ICOFE-2024.(Scopus)
8. **Integrating Machine Learning for Soil Pollution Prediction and Avoidance: A Comprehensive Framework for Sustainable Land Management**, International Conference on Computer Science and Emerging Technologies, CSET 2023, IEEE Publisher, added in IEEE Xplore 9 December 2023, ISBN:979-8-3503-4174-4. (Scopus) .

9. **Exploring the Frontiers of User Experience Design: VR, AR, and the Future of Interaction**, International Conference on Computer Science and Emerging Technologies, CSET 2023, IEEE Publisher, added in IEEE Xplore 9 December **2023**, ISBN:979-8-3503-4174-4. (Scopus)
10. **Introduction Of Virtual Environment With Personalized Content Recommendation For Realistic Avatar Creation In Online Platform Using Machine Learning**, International Conference On Augmented Intelligence And Sustainable Systems (ICAISS 2023), added in IEEE Xplore 22 September **2023**, ISBN: 979-8-3503-2579-9. (Scopus)
11. **Geofencing and False Data Blocking in Context-Aware Architecture for Probabilistic Voting Based Filtering Scheme of WSN's as a Method for Improving Energy Efficiency"** presented a paper at National Conference Recent Advancements in Communication, Electronics and Signal Processing" held on 5th April **2023** at Velammal Engineering College-Chennai. (Abstract Conference Proceedings).
12. **6G Wireless Systems: A Vision, Trends, Technologies and Open Research Issues"** Presented a Paper at 7th ICSTEM 23 Organized by KIT-Coimbatore in Association with CIHAN University-DUHOK- Kurdistan Region-IRAQ held at 5th and 6th April **2023**. (Abstract Proceedings).
13. **Network Security for Automotive Ethernet with high efficiency Encryption & Authentication"** in 3rd international conference on Advances in Management, Engineering & Technology organized by RSP Conference Hub, Tamil Nadu, India on 25th & 26th March 2023
14. **Emerging and efficacy based artificial intelligence tools employing in the progression of health care systems in the current scenario"**, International Conference on Emerging Trends in Science, Technology and Mathematics, on 31st January, **2023**, ISBN: 978-93-5361-975-6
15. **Flexuous based ebullient and exuberant edge computing for futuristic scenario in the view of visions and challenges"**, international conference on emerging trends in science, technology and mathematics, on 31st January, **2023**, ISBN: 978-93-5361-975-6.
16. **A Novel Algorithm for Cheque Verification Using Data hiding and Signature Verification"**, presented in International Conference on Computational & Experimental Methods for Advancing Engineering Systems Applications, ICCEAESA-2019, and August 23rd, **2019**.

Published Patents: 09

1. Intelligent Multi-Sensor Iot Gateway with Dynamic Resource Optimization on 13/02/2026 ,Patent id:202641016708
2. EcoGardener – Solar Powered Lawn Care with Water and Pest Sprinkling, on 30/05/2025,Patent id: 202541043078
3. Optimizing Cloud Computing with AI- Powered Blockchain networks for data security on 25/10/2024,Patent id : 202441077525

4. AI-Based Blockchain Protocols for enhanced privacy in cloud environments on 25/10/2024,Patent id : 202441077526.
5. Developing A Consent Management Framework For User-Centric Iot Devices on 08/03/2024,Patent id: 202441011325 .
6. Blockchain Model For Industry 4.0 Smart Applications on 08/09/2023,Patent id : 202341057350.
7. An Artificial Intelligence Based Integrated Iot Healthcare System For Cancer Care And Method Thereof on 13/05/2022,Patent id : 202241022606.
8. A Deep Learning Based Image Processing In Computed Tomography Angiography With Machine Learning Interfaces And Method Thereof on 14/10/2022,Paper id : 202241022606
9. A Methodology and an Efficient Algorithm To encrypt and Decrypt the stored Data and Images on cloud, **Patent Id** : 20204109195.
10. A Distributed Antenna Based System To Track The Covid Patients and Monitor them Continuously , **Patent Id** : 2020101444
11. Design Of I-Health Using NFC Tag For Monitoring, Storing and Accessing Patient Health Information In Single Tap, **Patent Id** : 202041041632

Published Books: 03

1. **Deep Learning Architectures and Models**,SKG Publisher(International) April 2026 ISBN: 978-93-6492-179-4
2. **Data Symphony: Navigating the Saga of Digital Frontiers**, Alize publisher (International), January **2024**, ISBN: 978-81-19959-181 .
3. **Cyber Security Essentials: Safeguarding the Digital Frontiers**, Alize publisher (International), December **2024**, ISBN: 978-81-19959-242 .
4. **A Text Book of Software Engineering**, BUUKS publisher (International), 31st, October, **2019**, ISBN-10: 938604303.

Professional Body Membership:02

- **Internet society** - Membership No: 2252163- Global & Chapter Membership
- **International Association of Engineers (IAENG)** - Membership No:293422 - Global & Chapter Membership.

Achievements: 02

1. **Best Teachers Award**, Research Society for Technical skills, Govt of India, MSME registered organization on 05-09-2024.
2. **Woman Educationalist Excellence Award** ,in international award ceremony on the Birth Anniversary of Bharat Ratna Dr.Sarvepalli Radha Krishna, Guru Pratibha Puraskar by Sidvi Foundation, Visakhapatnam on 02-09-**2023**.
3. **Received Project expo winner for acting as project guide for the title “Indoor plant monitoring system using IoT.**

Certifications: 05

1. Certificate of course completion on Generative AI Essentials –Courseera on Apr 2026
2. Certificate of course completion on **AWS Academy Graduate - AWS Academy Cloud Foundations** on 12th December 2024.
3. Certificate on **Artificial Intelligence with Machine Learning in Java** by Oracle Academy on 08-02-2024
4. Elite Certification on "**Internet of Things**" organized by NPTEL from Jan 2024 to April **2024**.
5. Juniper Networks Cloud & Automation Academy Educator Training Certificate on **JNCIA – JUNOS** by Eduskills
6. Certified as "**Microsoft Power BI Data Analyst (PL-300)**" on 13-04-2023.

Other Administrative Roles:

- Acted as a Board of Studies chairmen.
- Acted as NAAC Coordinator.
- Acted as NBA Coordinator.
- Acted as R&D Coordinator
- Acted as Project Coordinator
- Acted as Newsletter Coordinator

FDPs /STTP attended : 18

1. 5-Days Online Faculty Development Program NLP and Chat Gpt Applications Organized by EXCELR from 14.08.2023 to 19.08.2023.
2. 5-Days Online Faculty Development Program on NLP, Computer Vision and Artificial Intelligence Organized by EXCELR from 04.12.2023 to 08.12.2023.
3. 6-Days Online Faculty Development Program on Artificial Intelligence and Data Science ,organized by Adithya College of Engineering from 11.07.2022 to 16.07.2022.
4. 6-Days Online Faculty Development Program on Amazon Web Services, organized by VIT from 22.08.2022 to 27.08.2022.
5. 5-Days Online Faculty Development Program on Empirical Data Science and Its Implications organized by SRIT from 03.01.2023 to 07.01.2023.
6. 2-Days Online Faculty Development Program on Outcome Based Education and NBA Accreditation Process organized by SRIT from 23.07.2022 to 24.07.2022.
7. One week Faculty Development Program on Recent Trends In Nanotechnology & Signal Processing,organized by GMRIT from 23.08.2021 to 29.08.2021.
8. A Five Day Faculty Development Program “Technological Advances in Power Switching Converters for Renewable Energy Sources and Fuel Cell Technology for E-vehicles” During 01-06-2020 to 05-06-2020,Organized by Department of Electrical & Electronics Engineering, Bapatla Engineering College, Bapatla.
9. 5-Days Online Faculty Development Program on Php and MySQL conducted through Spoken

Tutorial, IIT Bombay from 14-05-2020 to 18-05-2020 organized by Department of computer science and Engineering, Sana College of Techonolgy ,Salem.

10. 5-Days FDP on “Cloud Computing Using AWS “ organized by Department Of Computer Engineering and Information Technology by Trinty College Of Engineering & Research, Pune 3rd – 7th JUNE 2020.
11. One Week Online FDP on “Python Programming” organized by Department of Computer Science, Government First Grade College and PG Center, Dharwad in association with Spoken Tutorial, IIT Bombay (An initiative of National Mission on Education through ICT, MHRD, Govt. of India, from 9th July 2020 to 15th July 2020.
12. 4 – Day Online FDP on “**Python Programming**” organized by Dept.Of.CSE, K.L. University Hyd, in association with IIT-B Spoken Tutorials funded by National Mission on Education through ICT - MHRD - Govt.of. India
13. Attended three days National workshop on Artificial Intelligence, Machine Learning, and Deep Learning in the department Of Science and Technology from 18th to 20th November 2019 at GATEs Institute of Technology ,Gooty.
14. Attended One week Faculty Development Program on “Innovative Teaching-Learning Techniques in Higher Education” at Mechanical department ,JNTUA collge of Engineering
15. Attended International Workshop Sponsored by UGC at Government Arts College For Men on “NextGen technologies –Data science and Machine Learning with python” by department of Computer Science on 21st August 2019 at Nadanam, Chennai.
16. Attended for Two Days UGC National Symposium on ”Emerging Trends in Computing Technologies and Application” conducted by Sri KrishnaDevaraya University, S.V.Puram, Anantapuramu on 6th-7th December 2015.
17. Attended for the 104th Indian Science Congress Association held at S.V. University, Tirupati on January 3rd to 7th, 2017.
18. Attended for National Workshop on “ Dissemination of Geo-Spatial Technology for the Development of Andhra Pradesh” Organized in association with APSAC. Govt. of Vijayawada on 23rd March, 2017 at Sri KrishnaDevaraya, Anantapuramu.

I hereby declare that the information furnished above is true to the best of my knowledge.

Date :



Place :

(B.Harichandana)