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| Name of Faculty | Nuvula.Baby Rani |
| Designation | Assistant Professor |
| Nature of Job/Appointment | Contract |
| Date of Joining | 2-11-2026 |
| E-mail | babyranin_cse@cbit.ac.in |

| Education Qualifications | Name of the Degree | Class |
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| Ph. D | Doctor of Philosophy(CS&AI) | Pursuing |
| PG | M.tech(Cse) | Distinction |
| UG | B.tech(Cse) | First class |

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| Work Experience | |
| Teaching | 8 years |
| Research | |
| Industry | |
| Others | |
| Area of Specialization | Computer Science And Engineering |
| Professional Memberships | IAENG |
| Responsibilities held at Institution Level | |
| Responsibilities held at Department Level | |
| Research Guidance | |
| Awards Received | |
| Courses Handled at Under Graduate / Post Graduate Level. | Python Programming,Database Management Systems (DBMS), C Programming,Discrete Mathematics, Software Engineering, Operating Systems,Software Project Management,Mobile Computing, Ad Hoc Sensor Networks |
| No. of Papers Published | National Journals – International Journals – 13<br>National Conference – International Conference – 4 |
| Projects Carried out | |
| Patents | A MULTI-PERSPECTIVE FRAUD DETECTION METHOD FOR MULTI-PARTICIPANT E-COMMERCE TRANSACTIONS |
| Technology Transfer | 1 |
| Invited Speaker | |
| No. of Books/Chapter Published with details | |
| Details of Short-Term Training Programs/Faculty Development Programs/Seminars/Workshops. Other Training (Attended and/or Organized). | 1. 15-Hour Online Faculty Development Program on “Salesforce Platform Developer 1” Conducted by ICT Academy, from 7th to 11th September 2026. Certificate No.: 026-234455.<br>2. NEP MAY 2026 Orientation & Sensitization Programme Successfully completed the online programme under the Malaviya Mission Teacher Training Programme (MM-TTC) of the University Grants Commission (UGC), |

organized by the Indian Institute of Technology Hyderabad, from 12th to 19th May 2026.

3. Faculty Development Program on “Agentic AI and RAG”Organized by MLR Institute of Technology, from 1st to 6th June 2026.
4. Faculty Development Program on “Augmented Reality / Virtual Reality (AR/VR)”Organized by Dr. Vithalrao Vikhe Patil College of Engineering, Ahilyanagar, Maharashtra; C V Raman Global University, Odisha; and C V Raman Polytechnic, Bhubaneswar, in collaboration with ExcelR Edtech Pvt. Ltd., from 25th to 31st August 2025.
5. Faculty Development Program on “Quantum Computing” Organized by Ramrao Adik Institute of Technology, D Y Patil Deemed to be University, Navi Mumbai; New Horizon College of Engineering, Bengaluru; and KIIT University, Bhubaneswar, in collaboration with ExcelR Edtech Pvt. Ltd., from 11th to 18th August 2025.
6. Faculty Development Program on “AI Agents” Organized by the Commissionerate of Collegiate Education (CCE), Government of Andhra Pradesh, in collaboration with ExcelR Edtech Pvt. Ltd., from 12th to 16th May 2025.
7. Faculty Development Program on “Generative AI and Prompt Engineering” Organized by Khalsa College for Women, Ludhiana; New Horizon College of Engineering, Bengaluru; and Bharati Vidyapeeth (Deemed to be University) College of Engineering, Pune, in collaboration with ExcelR Edtech Pvt. Ltd., from 21st to 25th April 2025.
8. Faculty Development Program on “Ethical Hacking” Organized by VNR Vignana Jyothi Institute of Engineering and Technology, from 8th to 13th August 2022.
9. Two-Day Workshop on “Data Science and Deep Learning” Organized by the School of Information Technology, Jawaharlal Nehru Technological University Hyderabad (JNTUH), under TEQIP-III, on 22nd and 23rd July 2019.
10. One-Week Refresher Course on “Problem Solving through Programming Languages”Organized by Malla Reddy Engineering College for Women (MRECW), Hyderabad, from 24th to 29th June 2019.

Professional Certifications

11. Software Project Management – NPTEL Successfully completed the online certification course in Software Project Management.
12. Instruction for Good Learning – NPTEL Successfully completed the online certification course in Instruction for Good Learning.
13. Education for Sustainable Development – NPTEL Successfully completed the online certification course in Education for Sustainable Development.
14. Data Science Essentials with Python Certified by Cisco Networking Academy.
15. Engineering Education Certification Program Successfully completed the Engineering Education Certification Program.
16. Effective Teaching and Learning Course 2025–26 – IUCEE
17. Successfully completed the IUCEE Felder-Brent Effective Teaching and Learning Course 2025–26,

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| Details of Journal Publications/ Conferences (National and International) | comprising 12 webinars and assignments, conducted by Dr. Richard Felder and Dr. Rebecca Brent.<br>A. Conference Publications<br>1. “Demand Response Orchestration Using Incentive-Compatible Mechanism Design and IoT Gateways.” 2026 IEEE International Conference on Interdisciplinary Approaches in Technology and Management for Social Innovation (IATMSI), 2026.<br>2. “Optimal Scheduling of Vehicle-to-Grid Fleets for Peak-Shaving and Frequency Regulation.” Proceedings of the 4th IEEE International Conference on Interdisciplinary Approaches in Technology and Management for Social Innovation (IATMSI), 2026. DOI: 10.1109/IATMSI68868.2026.1146628.<br>3. “Advanced Epilepsy Severity Analysis and Diagnosis via EEG Signal Classification Using Modified LeNet-CNN.” World Skills Conference on Universal Data Analytics and Sciences (WorldSUAS), August 2025.<br>4. “Design and Development of Cloud and IoT-Based Monitoring System for Environmental Health and Safety in Homes.” International Conference on Evolutionary Algorithms and Soft Computing Techniques (EASCT), January 2024. ISBN: 979-8-3503-1341-.<br>B. Journal Publications<br>5. “Exploring the Complex Relationship Between Asthma and Air Pollution in Urban Regions: An Accurate and Reliable Predictive Model.” International Journal of Engineering Science and Research (IJESR), Vol. 13, Issue 4, pp. 1–10, December 2023.<br>6. “Real-Time Rain, Fog and Haze Removal Using OpenCV for Traffic Camera.” Journal of Interdisciplinary Cycle Research, Vol. XVI, Issue I, January 2024.<br>7. “Rainfall Prediction Using Wavelet Neural Network and ARIMA Analysis.” Science, Technology and Development, Vol. XIII, Issue I, January 2024. ISSN: 0950-0707.<br>8. “Stochastic Gradient Boosting Model-Based Content Analysis in Online Social Media.” Turkish Journal of Computer and Mathematics Education, Vol. 14, No. 03, 2023.<br>9. “Robust Face Mask Detection Using Deep Learning CNN: An Application of COVID-19.” Turkish Journal of Computer and Mathematics Education, Vol. 14, No. 01, 2023. ISSN: 1309-4653.<br>10. “Deep Learning-Based Low-Light Image Enhancement for Improved Visibility.” Turkish Journal of Computer and Mathematics Education, Vol. 14, No. 03, July 2023.<br>11. “People Counting System Based on Head Detection Using Faster R-CNN from Both Images and Videos.” Turkish Journal of Computer and Mathematics Education, Vol. 14, No. 03, July 2023.<br>12. “Building a Search Engine Using Machine Learning Technology.” Journal of Applied Science and Computations (JASC), November 2022. ISSN: 1076-5131.<br>13. “BSSPD: A Blockchain-Based Secure Sharing Scheme for Personal Data with Fine-Grained Access Control.” International Journal of Analytical and Experimental Modal Analysis, Vol. XIV, Issue XI, November 2022. ISSN: 0886-9367.<br>14. “A Comparative Study on Fake Job Post Prediction Using Different Data Mining Techniques.” International |

Journal of Engineering and Techniques, Vol. 8, Issue 5, October 2022. ISBN: 978 (details incomplete).
15. “Intuitive Recognition Model of IRIS and Its Analysis on Users with ML.” International Journal of Analytical and Experimental Modal Analysis, Vol. XIV, Issue 2, April 2022. ISSN: 0886-9367.
16. “Analysis of Women Safety in Indian Cities Using ML.” Journal of Interdisciplinary Cycle Research, Vol. XIV, Issue II, February 2022. ISSN: 0022-1945.
17. “Privacy-Preserving Information Brokering in Distributed Data Sharing with Enforcing Security.” International Journal of Computer Science, Information and Engineering Technologies (IJCSIET), Vol. 3, Issue 5, Series 1. ISSN: 2277-4408.

CHAITANYA BHARATHI
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