

Kalyan Chakravarthi Gogula
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OBJECTIVE

To work in an organization that encourages continuous learning and provides opportunities to share my knowledge and skills with students. I aim to contribute effectively to teaching, research, and academic development while continuously improving my professional abilities. I look forward to working in a challenging academic environment that supports mutual growth, innovation, and long-term development for both the institution and myself.

EDUCATIONAL QUALIFICATIONS:

- **March 2022:** Registered Ph. D (Part-Time) at GIET University, Gunupur, Odisha.
- **2010-2012:** M. Tech in Computer Science and Technology with Distinction (8.04 CGPA) from Andhra University.
- **2006-2010:** B. Tech in Computer Science Engineering with first class (67.33%) from JNTU-Kakinada.
- **2004-2006:** Intermediate with first class (79.20%) from Sri Chaitanya Co-operative Junior College.
- **2003-2004:** Class X with first class (87.33%) from Kotak Salesian School.

WORK EXPERIENCE (Total: 14 Years):

- **University Ratification:**
Appointment as Assistant Professor ratified/approved by Andhra University vide proceedings No. C-II (8)/Selections/2019 dated 17-07-2019 from the Office of the Dean, College Development Council, and Andhra University.
- Working as an Assistant Professor in the Department of Computer Science and Engineering, Engineering and Technology Programme, Gayatri Vidya Parishad College for Degree & P G Courses (A), Rushikonda, Visakhapatnam, from 25 November 2016 to till date.
- Worked as an Assistant Professor in the Department of Computer Science and Engineering, Sanketika Vidya Parishad Engineering College, P. M. Palem, Visakhapatnam from 5 December 2012 to 19 November 2016.

RESEARCH PROFILE:

- SCOPUS ID: <https://www.scopus.com/authid/detail.uri?authorId=57215420721>
- ORCID ID: <https://orcid.org/0000-0001-8545-3444>
- Google Scholar: <https://scholar.google.com/citations?user=M4oFSQ8AAAAJ&hl=en>
 - Total Citations: 104
 - h-index: 3
 - i10-index: 2
- Vidwan ID: 282060

RESPONSIBILITIES HANDLED:

- Department Member Coordinator for NBA and NAAC Accreditation Bodies.
- Board of Studies Committee Member.
- Department M. Tech Coordinator.
- Department Project Coordinator.
- Department Training & Placement Coordinator.
- Department Examination Cell In charge.
- SPOC for Professional Membership Bodies – Association of Computing Machinery (ACM) and Computer Society of India (CSI)

AREAS OF INTEREST:

- Programming – C, C++, Python.
- Formal Languages & Automata Theory.
- Compiler Design.
- Computer Organization.
- Data Structures.
- Object Oriented Software Engineering.
- Image Processing
- Internet of Things
- Web Technologies
- Mathematical Foundations for Computer Science
- Soft Computing

PUBLICATIONS:

- Communicated and Received acceptance for a paper entitled "**A Lightweight CCA-Based Framework for Complementary Product Recommendation Using Textual Embeddings**" in Engineering, Technology & Applied Science Research (ETASR), (Scopus -Q2) ISSN (e/p): 1792-8036, 2241-4487.
- Published a paper entitled "**VisCom-Res: An Efficient Visual Complementary E-Commerce Product Recommendations Using Attention-Enhanced Lightweight Architecture**" in Internet Technology Letters, Volume-9, Issue-1, in John Wiley & Sons, Ltd. Publishers, DOI: 10.1002/itl2.70212, E-ISSN: 2476-1508, 2026. (Indexed in Scopus-Q3 and WoS-ESCI) 2026.

- Published a paper entitled **“Leveraging YOLO models for Enhanced Object Detection and Recognition in E-Commerce”** in IEEE Xplore, DOI: 10.1109/GIET65294.2025.11234739, ISBN: 978-1-6654-5806-1/25, 2025 (Indexed in Scopus).
- Presented a paper entitled **“Real Time Facial Mood Based Music, Food, Movies (MFM) Recommendation System Using CNN”** in International Conference on Recent Research in Computational Sciences & Engineering (ICRRCE - 2025), 2025.
- Published a paper entitled **“A Comprehensive Analysis of Machine Learning and Deep Learning Based Product Recommendation System”** in Cognitive Computing and Cyber Physical Systems in LNICST 597 Springer Series, DOI:10.1007/978-3-031-77075-3, ISBN:978-3-031-77074-6, ISBN:978-3-031-77075-3(eBook), (Indexed in Scopus), 2024.
- Presented a paper entitled **“Natural Language Processing-Based Plagiarism Detector”** at 1st National Conference on Computational Intelligence and Sustainable Systems (NCCISS-2024).
- Presented a paper entitled **“Design and Implementation of Smart Healthcare Communication Bot”** at 1st National Conference on Computational Intelligence and Sustainable Systems (NCCISS-2024).
- Presented and published a paper entitled **“An IoT-Based Smart Garbage Monitoring and Disposal Support System”** at IEEE-2021 International Conference on Computing Methodologies and Communication (ICCMC – 2021).
- Published a paper entitled **“Real Time Multi-Scale Facial Mask Detection and Classification Using Deep Transfer Learning Techniques”** in International Journal of Advanced Trends in Computer Science and Engineering, SCOPUS 9(4), July – August 2020, 4402 – 4408.
- Published a paper entitled **“Long Short-Term Memory for Forecasting the Stock Market”** in the International Journal of Advanced Science and Technology (IJAST), SCOPUS Vol. 29, No. 4, (2020).
- Published a paper entitled **“Predicting Student Performance using Classification and Regression Trees Algorithm”** in International Journal of Innovative Technology and Exploring Engineering (IJITEE), SCOPUS ISSN: 2278-3075, Volume-9 Issue-3, January 2020.
- Published a paper entitled **“An Approach for Obstacle Detection System for Vehicle Using IoT”** in International Journal of Research in Advent Technology (IJRAT), Volume 7, No. 4S, April 2019.
- Presented and published a paper entitled **“An Embedded System Design for Guiding Visually Impaired Personnel”** at IEEE-2019 International Conference on Recent Advances in Energy-efficient Computing and Communication (ICRAECC).
- Published a paper entitled **“A Novel Secured Identity based K-bit Encryption from bilinear pairing”** in the International Journal of Research and Analytical Review (IJRAR) Volume 5, Issue 04, December 2018.
- Published a paper entitled **“Reputation calculation and trust management system in cloud integrated wireless sensor networks”** in International Journal of Scientific Research in Computer Science and Engineering (IJSRCSE) ISROSET-IJSRCSE-00208-3, Vol.04, Issue 4, August – 2016.

- Published a paper entitled **“Discovery of ranking fraud detection system for mobile apps”** in International Journal of Scientific Research in Computer Science and Engineering (IJSRCSE) ISROSET-IJSRCSE-00208- 8, Vol.04, Issue 4, August – 2016.
- Published a paper entitled **“An Efficient Approach for Secure Data Aggregation Method in Wireless Sensor Networks with the Impact of Collusion Attacks”** in International Journal of Scientific Research in Computer Science and Engineering (IJSRCSE) ISROSET-IJSRCSE-00208- 3, Vol.04, Issue 3, June – 2016.
- Published a paper entitled **“Opinion target and opinion words co-extraction from online reviews based on the novel approach with partially supervised alignment model”** in International Journal of Scientific Research in Computer Science and Engineering (IJSRCSE) ISROSET-IJSRCSE-00208-11, Vol.04, Issue 3, June – 2016.
- Published a paper entitled **“Confidential and Efficient Query Services in the Cloud Using K-NN with R-Tree and Rasp Data Perturbation”** in International Journal & Magazine of Engineering, Technology, Management and Research (IJMETMR) ISSN No: 2348– 4845(Online), ISSN No: 2320– 3706(Print), Vol.02, Issue 12, December – 2015.
- Published a paper entitled **“Distributed, Concurrent, Self-sufficient Clientele Access to Encrypted Impair Sources”** in International Journal & Magazine of Engineering, Technology, Management and Research (IJMETMR) ISSN No: 2348– 4845(Online), ISSN No: 2320– 3706(Print), Vol.02, Issue 12, December – 2015.
- Published a paper entitled **“Distributed Provable Data Possession in Multi-Cloud Storage through Client Authentication”** in International Journal & Magazine of Engineering, Technology, Management and Research (IJMETMR) ISSN No: 2348– 4845(Online), ISSN No: 2320– 3706(Print), Vol.02, Issue 12, December – 2015.
- Published a paper entitled **“Providing Security and Consistency as a Service in Auditing Cloud”** in International Journal & Magazine of Engineering, Technology, Management and Research (IJMETMR) ISSN No: 2348– 4845(Online), ISSN No: 2320– 3706(Print), Vol.02, Issue 12, December – 2015.
- Published the paper entitled **“Two Novel Approaches on the Node Clone Detection in Wireless Sensor Networks”** in the International Journal of Computer Science and Technology (IJCST) ISSN: 0976-8491 Vol. 6, Issue 1, and Jan-March 2015.
- Published a paper entitled **“Liquor Detection through Automatic Motor Locking System: In Built (LDAMLS)”** in International Journal of Computational and Engineering Research (IJCER) ISSN (e): 2250 – 3005, Vol.04, Issue 7, July – 2014.

PATENTS:

- Published a Patent titled **“Real Time Emotion-Driven Game Recommendation System using Hybrid Collaborative Filtering and Computer Vision”** with the patent application number **“202641032506 A”** on 27/03/2026 in Intellectual Property India.
- Published a Patent titled **“Enhancing Urban Mobility and Emergency Response through Smart Traffic Signal Control”** with the patent application number **“202641016725 A”** on 20/02/2026 in Intellectual Property India.
- Published a Patent titled **“Machine Learning with Data Frame for Classification of Spam Comments from YouTube”** with the patent application number **“202441102050 A”** on 10/01/2025 in Intellectual Property India.

CERTIFICATION PROGRAMS:

- Completed Post Graduation Program (PGP) in “**Cloud Computing & DevOps**” organized by Electronics & ICT Academy, IIT Roorkee during the period of May 2025 to November 2025, and Certificate ID: EICTIITR-PGCCD-B1-25-14.

FDPs, STTPs, NPTEL, WORKSHOPS, AND SEMINARS:

- Attended a One-Week ATAL Faculty Development Programme on “AI&ML Applications in NextGen Wireless Communications of 5G & 6G” from 06/10/2025 to 11/10/2025 organized by BVRIT Hyderabad College of Engineering for Women.
- Attended a One-Week ATAL Faculty Development Programme on “Quantum Computing with Artificial Intelligence: Convergence and Applications” from 25/08/2025 to 30/08/2025 organized by GVPCDPGC (A).
- Attended a One-Week ATAL Faculty Development Programme on “The Revolution of Large Language Models (LLMs) in Artificial Intelligence” from 18/11/2024 to 23/11/2024 organized by Vidya Jyothi Institute of Technology.
- Attended a One-Week ATAL Faculty Development Programme on “Next-Gen AI: Deep Dive into Machine Learning, Natural Language Processing and Its Applications” from 23/09/2024 to 28/09/2024 organized by Nadimpalli Satyanarayana Raju Institute of Technology.
- Attended a Two- Week Faculty Development Programme on “Machine Learning using Python” from 29/04/2024 to 11/05/2024 organized by Gayatri Vidya Parishad College for Degree and P G Courses (A).
- Attended a Three Day Faculty Development Programme on “Agile Methodologies and DevOps” organized by Gayatri Vidya Parishad College of Engineering for Women(A) in Hybrid mode during 10-06-2024 to 11-06-2024(Offline) and 15-06-2024(Online).
- Attended a One-Week Professional Development Programme on “Data Science Mastery” from 05/02/2024 to 10/02/2024 organized by VNR Vignana Jyothi Institute of Engineering and Technology.
- Attended a Five-Day Faculty Development Programme on “Viksit Bharat 2047- Role of Engineering Faculty” jointly organized by Rajiv Gandhi University of Knowledge Technologies and Anantha Lakshmi Institute of Technology and Sciences from 29-01-2024 to 02-02-2024.
- Attended a Five-Day Workshop on “Quantum Computing and Security” Organized by Department of ECE & CSE at GIET University, Gunupur, from 15-01-2024 to 19-01-2024.
- Attended a One-Week Faculty Development Programme on “Mathematical Modeling for Data Science” from 19/07/2023 to 24/07/2023 organized by VNR Vignana Jyothi Institute of Engineering and Technology.
- Attended a One-Week Online FDP on “Data Science for Engineers” from 23/01/2023 to 28/01/2023 organized by VNR Vignana Jyothi Institute of Engineering and Technology.
- Attended a UGC - SPONSORED Refresher Course - Two Week Online Refresher Course "Artificial Intelligence" held from 23/05/2022 to 04/06/2022 and successfully completed with A Grade organized by JNTU-Hyderabad.
- Attended a Five Day ATAL Online EDP on “Fostering Start-up, Innovation and Entrepreneurship/Intrapreneurship” from 06.12.2021 to 10.12.2021 organized by AU.

- Completed a Week FDP on the Internet of Things through NPTEL Online Course from January-April 2020.
- Attended a Five-Day ATAL Online FDP on “Block-chain Technologies” from 20.04.2020 to 24.04.2020 organized by JNTUA College of Engineering, Pulivendula.
- Attended a Five Day FDP on “Outcome-based Teaching, Learning and Assessment Strategies to Enhance the Quality of Engineering Education” from 12.11.2019 to 16.11.2019 organized by IQAC held at Gayatri Vidya Parishad College for Engineering.
- Completed a Week FDP on “Data Science for Engineers” through NPTEL Online Course in June-September 2019.
- Attended a Two Day FDP on “Introduction to Cloud Computing” from 13.05.2019 to 14.05.2019 in association with ICT Academy held at GVP College for Degree and PG Courses, Yendada, Visakhapatnam.
- Attended a Two-Day International Conference on “Cognitive Science and Artificial Intelligence” (ICCSAI’ 18) Organized by Institute of Bioinformatics and Computational Biology (IBCB), Visakhapatnam.
- Attended a Three-Day Workshop on “IoT Applications” from 03.07.2018 to 05.07.2018 in association with ENTHU Technology Solutions Pvt. Ltd., Coimbatore held at GVP College for Degree and PG Courses, Yendada, Visakhapatnam.
- Attended a Five Day FDP on “HADOOP (Hortonworks)” from 30.04.2018 to 05.05.2018 in association with ICT Academy held at GVP College for Degree and PG Courses, Yendada, Visakhapatnam.
- Attended a Two-week FDP on “Pedagogical Training on Outcome Based Education” at Gayatri Vidya Parishad College of Engineering.
- Attended a Three-week FDP on “Teach the Teacher – Python Programming” by Soliver Labs.
- Attended a Two-Day International Conference on “Cognitive Science and Health Bioinformatics” (ICCSHB’ 16) Organized by the Institute of Bioinformatics and Computational Biology (IBCB), Visakhapatnam.
- Attended a Two-day workshop “T – SQL” organized by Microsoft.
- Attended a "DB2 WORKSHOP" headed by IBM.
- Attended a "RAD WORKSHOP" headed by IBM.
- Attended a two-week workshop on "Intoduction to Research Methodologies" conducted by IIT BOMBAY.
- Attended a one-week workshop as Teaching Assistant on “Computer Programming” conducted by IIT BOMBAY.
- Attended a one-week workshop on “Computer Networking” conducted by IIT BOMBAY.

PROFESSIONAL BODY MEMBERSHIPS:

- Institute Nominee Member, Computer Society of India (CSI)
- Member, Association of Computing Machinery (ACM)
- Member, International Computer Science and Engineering Society (ICSES)

ACHIEVEMENTS:

- Received Best Faculty award towards administration in the college on eve of Teachers' Day-2023.
- Completed an NPTEL online certification course in Internet of Things during Jan-Apr 2020.
- Completed an NPTEL online certification course in Data Science for Engineers in June-September 2019.
- Acted as a Mentor for the Indian Innovation Challenge Design Contest 2019 and received a participation certificate from DST and Texas Instruments organized by IIM Bangalore and the Government of India.
- Acted as a Mentor for the Indian Innovation Challenge Design Contest 2018 and received appreciation from DST and Texas Instruments organized by IIM Bangalore and the Government of India.
- Qualified as a WIPRO Certified Faculty for the WIPRO Talent Next program (WIPRO PRP) concerning programs training for WIPRO Placement Activities.
- Received a Certificate of Appreciation for the role of Mentor for the NPTEL Online Certification course in "Introduction to Programming In C" from July to December 2017.

PROJECTS GUIDED:

25 B. Tech projects and 5 M. Tech projects.

STRENGTHS:

- Creative and innovative.
- Ability to work in any environment.
- Self-Driven and Self Motivated.
- Team Spirit
- Positive Thinking

PERSONAL PROFILE:

Father's Name : Gogula Bangara Raju (Late)
Mother's Name : Gogula Surya Kumari
Date of Birth : 05th July 1988
Gender : Male
Nationality : Indian
Languages known : English, Telugu, and can understand Hindi
Marital Status : Married

DECLARATION:

I hereby declare that all the information provided above is true and correct to the best of my knowledge.



Kalyan Chakravarthi Gogula