

Girish B.G

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Educational Qualifications

- Passed out **BE** in computer science branch from S.J.C Institute of Technology, Vishweswaraiah Technological University Belgaum.
- Passed out **M.Tech** in computer science branch from S.J.C Institute of Technology, Vishweswaraiah Technological University Belgaum.
- Pursing **Ph.D.** in Vishweswaraiah Technological University Belgaum.

Professional Membership

- Associated member for Institute of Engineers(IEI, India)
- Lifetime member for CSI

Employment Profile:

1. Currently working as an **Assistant Professor** in the department of Computer Science and Engineering in S.J.C. Institute of Technology- Chickaballapur, from **30th September 2009 to till date.**

Paper Publications

1. Published a paper on “**Optimizing Data Center Load Balancing in Cloud Computing with SDN Controller**” in IEEE on 07/08/2024 Electronic ISBN: 979-8-3503-5968-8 Print on Demand (PoD) ISBN:979-8-3503-5969-5 DOI: **10.1109/ICKECS61492.2024.10616818.**
2. Published a paper on “**Fuzzy Logic Enhanced Delay Guarantee Routing in SDN Environments**” in IEEE on 07/08/2024 Electronic ISBN: 979-8-3503-5968-8 Print on Demand (PoD) ISBN: 979-8-3503-5969-5 DOI: **10.1109/ICKECS61492.2024.10616737.**
3. Published Research article “**Artificial intelligence Techniques to detect, diagnose and medicate Disease in grape Leaves**” in UGC-CARE Approved Group-II Journal (CEJ) Volume 14, Issue 5, May 2023.
4. Published Research article “**Introducing next generation Assistance: The cutting Edge Smart cap the visually Impaired**” IJAR SCT Volume 3, Issue 5, May 2023.
5. Published Research article “**A Smart System using Hand Gestures and Voice**” IRJET Volume 2, Issue 6, June 2022
6. Published Research article “**Advanced Machine Learning Technique to Detect Disease in Potato**” IRJET Volume 2, Issue 6, June 2022.

7. Published Research article, “**Track It - A GPS based Cross-Platform mobile application to track the buses**” IRJET e-ISSN: 2395-0056 Volume: 08 Issue: 07 July 2021.
8. Published Research article, “**IoT Based Bike Rider Safety and Bike Analyzer**” in IJRESM, Volume-3, and Issue-6 June-2020.
9. Published Research article “**Implementation of handwritten Character Recognition using Neural Network**” in IJIRST, volume 5, issue 12, May 2019.
10. Published Research article “**Smart Classes and Innovative Facilities**” in IJIRST, volume 5, issue 11, May 2019.
11. Published Research article, “**GREENDROID: Energy Efficient Mobile Application Processor Using Android System**” in IJSRET, volume 5, issue 01, JAN 2019.
12. Published Research article “**Time Table Generation**” in IJISRT, volume 3, issue 5, may 2018.
13. Published Research article “**IOT based security system for smart vehicle**”. in IJRET, volume 5 issues 5, may 2018.
14. Published Research article “**An efficient streaming of High bandwidth data with mobile nodes in WSN**” in IJSPR, volume 48, number 01, June 2018.
15. Published Research article, “**A study on stream based security for IOT devices using an SDN gateway**” in IJSPR, ISSN 2374-4689, 2017.
16. Published Research article, “**A flexible and more restrictive Accessibility protocol for cellular application**” in IJARIE, volume-2 issue-2 2016.
17. Published Research article “**Enhancing Grid Computing Performance Data using Advanced QOS**” in IJSEC Volume -2015 15-06- 2015.

International and National Conferences

1. Presented a paper on “**Optimizing Data Center Load Balancing in Cloud Computing with SDN Controller**” 2nd International Conference on Knowledge Engineering and Communication System on **18 & 19 April 2024** at SJCIT, Chickaballapur.
2. Presented a paper on “**Fuzzy Logic Enhanced Delay Guarantee Routing in SDN Environments**” 2nd International Conference on Knowledge Engineering and Communication System on **18 & 19 April 2024** at SJCIT, Chickaballapur.
3. Presented a paper on “**Implementation of handwritten Character Recognition using Neural Network**” 2019.
4. Presented a paper on “**An Impact of psychology in artificial Intelligence**” International conference on emerging trends in science & Technology, held at SJCIT in association with (IEAE), Chickaballapur on 2018.
5. Presented a paper on “**Time Table Generation**” in national level conference MANTHANA 2018, held at SJCIT, Chickaballapur on 2018

6. Presented a paper on, **“IOT based security system for smart vehicle”**, in national level conference MANTHANA 2018, held at SJCIT, Chickaballapur on 2018
7. Presented a paper on, **“IOT based security system for smart vehicle”**, in national level conference CBIT Kolar 2018.
8. Presented a paper on **“Data Lineage in malicious Environment”** in national level conference held at SJCIT, Chickaballapur on 2017.
9. Presented a paper on **“A secure and efficient ID based Aggregate signature Scheme for WSN “** in national level conference held at SJCIT, Chickaballapur on 2017
10. Presented a paper on **“Evolution of big data Security through Hadoop incremental security model”** in national level conference held at SJCIT, Chickaballapur on 2016.
11. Presented a paper on **“Online payment system using steganography and visual cryptography”** in national level conference held at SJCIT, Chickaballapur on 2016.
12. Presented a paper on **“Seed block algorithm”** in national level conference held at GITAM, Bangalore on 2015.
13. Presented a paper on **“Smart Bus Tracking System tracking and Management system for college bus”** in national level conference held at GITAM, Bangalore on 2015.
14. Presented a paper on **“Packet dispersion based on active probing scheme for ABE”** in **International conference** on Computer science and Engineering held at **RLJIT**, Bangalore on 17th and 18th September 2010.
15. Presented a paper on **“Measurement study of available bandwidth estimation tools”** in **National conference on Emerging Trends in Technology** held at NCET, Bangalore on 26th and 27th April 2012.
16. Presented a paper on **“security model for web server and web browser”** in **National conference on advanced communication, VLSI design and signal processing** Organized by K.S. School of **Engineering and Management** Bangalore on 17 April 2013.
17. Presented a paper on **“Developing touch screen based Domotic tools for user with motor disabilities”** 3rd National level conference on **“Recent Trends in computer communication and information technology”** Organized by M.S Engineering college Bangalore on 29 April 2013.

Patents

1. Published a Patent **“ALERT VITALS AS IOT-BASED SYSTEM FOR REAL-TIME 10 MONITORING OF FATIGUE AND VITAL HEALTH METRICS”** on 27/06/2025 in IPR.
2. Published a Patent **“AI-OPTIMIZED HYBRID SOLAR-WIND ENERGY GENERATION SYSTEM FOR ENHANCED EFFICIENCY AND LOAD MANAGEMENT”** on 16/05/2025 in IPR.
3. Published a Patent **“HYBRID TIME SYNCHRONIZATION METHOD AND MANAGEMENT SYSTEM FOR 5G NETWORKS”** on 14/06/2025 in IPR

4. Published a Patent “SMART MASK FOR IMPROVED PERSONAL HEALTH PROTECTION USING IOT” on 09/12/2022 in IPR.

Workshops/FDP Attended

1. Attended 5 Days FDP on “**Next-Gen Cybersecurity: Integrating Security, Forensics, and Legal Intelligence,**” organized by the Amity Institute of information Technology (AIIT), Amity University Bengaluru, Karnataka -562110, held from 23rd to 27th June 2025.
2. Attended 5 Days FDP on “ **Synergizing Cyber security with AI-Driven Intelligence**” Organized by E&ICT academy **IIT Guwathi** held from 20th -24th January 2025 in association with SJBIT, Bengaluru.
3. Attended 5 Days FDP on “Devops” from 04th to 9th November 2024 Organized by VVCE, Mysore.
4. Attended 3 Days workshop on **Quantum Information & Advance Computing - Modern Edge with Industrial Alignments**” organized by Amity School of Engineering and Technology from Aug 01, 2024 to Aug 03, 2024.
5. Attended 5 Days FDP on “**Emerging Trends and advances in computing technologies**” Organized by Department of ISE, BIT, Bangalore on 8th -12th January 2024.
6. Attended 7 Days FDP on “**Latest Trend and Techniques in Software Engineering: An industry Perspective**” Organized by Department of CSE, CHRIST University, Bangalore on 20th -27th January 2024.
7. Attended FDP on “**Emerging Technologies**” Organized by the department of CSE (AI&ML) Vidyavardhaka college of engineering in association with TCS held from 11-Dec-2023 and 15 Dec 2023.
8. Successfully completed One Week National level Faculty Development Program on **Cloud infrastructure (AWS)** organized by SJCIT in Collaboration with Brain Vision Solution India PVT Ltd and AICTE on 21st to 25th August 2023.
9. Successfully completed One Week AICTE–VTU Joint Teachers Training Programme on “**Introduction to Internet of Things**” Organized by Visvesvaraya Technological University, Centre for PG Studies, VIAT, Muddenahalli, Chickaballapur (Dist.) -562101 17th April 2023.
10. Successfully completed One Week AICTE–VTU Joint Teachers Training Programme on “**Introduction to Python Programming & its Applications**” Organized by Visvesvaraya Technological University, Centre for PG Studies, VIAT, Muddenahalli, Chickaballapur (Dist.) - 562101 13th to 17th March 2023.
11. Successfully completed One week Faculty Development Program On “**Amazon Web Services**” Organized by SRI VENKATESHWARA COLLEGE OF ENGINEERING, BENGALURU in collaboration with BRAINOVISION SOLUTIONS INDIA PVT.LTD & AICTE 22nd August 2022 to 27th August 2022.

12. Attended 5 days E-FDP on “Unleashing Research Potential Global Trends and Practices” Greater Noida, Uttar Pradesh, March 7-11, 2022, Galgotias University.
13. Attended 3 days Virtual FDP on “Artificial Intelligence and Machine Learning” SJCT, September 20-22, 2021.
14. Attended 5-Days FDP on “Digital VLSI Design and Verification” BIT in association with Entuple Technologies and IEEE-BIT, 23rd to 27th August 2021, Department of ECE.
15. Participated in 5-Day FDP on “**Digital VLSI Design and Verification**” organized by Department of ECE, Bangalore Institute of Technology in association with Entuple Technologies and IEEE-BIT CAS from 23rd to 27th August 2021.
16. Participated in 6-days AICTE-ISTE funded Induction / Refresher program (3rd - Phase) on “**Future Wireless Communication: Standards & Technologies**” organized by the Department of Electronics & Communication Engineering between 24th - 29th May 2021.
17. Participated in the Five Days Faculty Development Programme on “**Machine Learning and Data Science**”, organized by the Department of Computer Science and Engineering VBIT in Technical Association with IEEE Bangalore Section, from 31st August to 4th September 2020.
18. Participated in the Five Days Faculty Development Programme on “**Contemporary Research Trends in electronics and communication and computer science**”, organized by the Department of Electronics and communication , VTU, center for postgraduate studies , kalaburagi in Association with IETE, from 06 to 10th July 2020.
19. Attended one week workshop on “**Machine Learning and deep learning**” organized by VTU & AICTE at VTU-PG center Muddenahalli on **22-26/07/2019**.
20. Attended Four days workshop on “**Python Programming**” organized by SJCT **02/04/2019 to 05/04/2019**.
21. Attended one week workshop on “Internet Of Things” organized by SJCT **13/02/2019 to 17/02/2019**.
22. Attended Faculty Development Programme on “**Smart Living Opportunities and Challenges**” at TCS, Bangalore, 10/02/2017.
23. Attended Two days workshop on “**Engineering Pedagogy**” organized by SJCT 15, 16-01-2016.
24. Attended workshop on “**Agile Technology**” organized by SJCT 23-07-2016.
25. Attended workshop on “**Inter collegiate Climate Science** “organized by IISC, Bangalore, 23-10-2014.
26. Attended workshop on “**Software Defined Data Center** “organized by SJCT 9, 10-01-2014.
27. Attended workshop on “**Principles of Pedagogy for effective instructions Dissemination**” organized by SJCT 19-07-2014.
28. Attended two week ISTE workshop on “**Effective teaching and learning of computer Programming** “ conducted by IIT, Bombay from 28th June to 10th July 2010.
29. Attended one day workshop on “**HR quality in technical Education** “ organized by Pre-Engineering Department of **S.J.C.I.T.**

30. Attended 3 day National level Workshop on “**ARM 9/11 architecture and its application**” organized by EC and TC department **SJCIT** on 27th to 29th January 2011.
31. Attended Faculty Enablement program on “**Fundamentals of effective teaching and training**” organized by **S.J.C.Institute of Technology**, held on 18th February 2012.
32. Attended Faculty Development Program on “**software testing**” conducted by **TCS** at S.J.C.Institute of Technology, held on 27th March 2013.
33. Attended workshop on “**Mobile application development using android**” conducted by Infosys limited Bangalore at S.J.C.Institute of Technology, held on 3rd to 5th January 2013.
34. Attended short term course on “**DATA STORAGE AND STORAGE AREA NETWORK**” offered under **EMC** academic alliances program at SJCIT held on 27th to 31st December 2010.

Webinars Attended

1. Participated 22nd ISTE State Level Faculty Convection on 4th February 2020.
2. Participated in a two hours webinar on Artificial Intelligence Programming using MATLAB held On 16th April 2020.
3. Participated in webinar on "AGILE Methodology in Software Development" organized by Department of Biomedical Engineering, ACSCE on 5th June 2020.
4. Participated in “e-quiz on python programming” conducted on 28-june-2020 organized by CSE,BTI Bangalore.
5. Participated webinar on “Machine Learning Model Deployment using flask and other technique” organized by department of ISE, DBIT, Bangalore, On 4th June 2020.
6. Participated webinar on “Career Road Map for Artificial Intelligence” organized by department of ISE, DBIT, Bangalore,
7. on 5th June 2020.
8. Participated webinar on “Deep Learning and its Application” organized by department of CSE, RVS College of Engineering, Dindigul, Tamilnadu On 19/06/2020.
9. Participated webinar on “Python for Data Processing” organized by department of CSE, AIEMS, Bangalore, on 25th June 2020.
10. Participated International webinar on “IIOT-Real Time Approach” organized by department of CSE, RVS College of Engineering, Dindigul, Tamilnadu On 13/06/2020.
11. Participated webinar on “DNS Security and DNS configuration” organized by department of CSE, Brindavan College of Engineering, Bangalore On 03/07/2020.
12. Participated **3 days webinar** on “Recent trends in Real World” organized by department from 05-06-2020 to 07-06-2020 organized by Dept. of Electronics and Communication Engineering, Sir.M. Visvesvaraya Institute of Technology, Bangalore.

13. Participated in one day workshop on “NEURAL NETWORKS -JOURNEY FROM SHALLOW TO DEEP LEARNING” hosted by Department of Information Science & Engineering on June 5, 2020.
14. Participated **5 days webinar** on “ Contemporary Research Trends in Electronics & communications, and computer science” Organized by department of E&C, VTU center of Post graduate studies Kalaburagi with IETE from 06 to 10 July 2020.
15. Participated one day webinar on “Effective Role of Teachers in Enhancing Standards of Technical Education “ On 06-06-2020, organized by Department of Electrical and Electronics Engineering in association with *Institution of Engineers (India)*.
16. Participated in the **Five Days Online** Faculty Development Programme on “**Machine Learning and Data Science**”, organized by the **Department of Computer Science and Engineering** in Technical Association with **IEEE Bangalore Section**, from 31st August to 4th September 2020.
17. Completed webinar on "AGILE Methodology in Software Development "organized by Department of Biomedical Engineering, ACSCE on 5th June 2020.
18. Participated webinar on “Deep Learning & AI ” organized by Gopalan college of Engineering and management 7th June 2020.
19. Participated webinar on “Block Chain ” organized by Anand Institute of Higher Technology, Chennai, 11 June 2020.
20. Participated webinar on “Python Programming & industrial applications” organized by ETHIRAJ COLLEGE FOR WOMEN, Chennai, 09 June 2020.
21. Participated webinar on “MODELLING & SIMULATION OF FACTS CONTROLLERS USING MATLAB” organized by JB INSTITUTE OF ENGINEERING AND TECHNOLOGY, HYDRABAD on 10th June 2020.
22. Participated webinar on “ PCB design “ organized by Narsimha Reddy Engineering college, Hyderabad on 12 June 2020.
23. Participated webinar on “Robotic Process Automation” organized by SRIDEVI womens Engineering College, Hyderabad on 09 June 2020.
24. Participated webinar on “GESTURE RECOGNITION” organized by vardaman college of engineering, Hyderabad on 08 June 2020.
25. Participated in a two hours webinar on “Artificial Intelligence Programming using MATLAB” held on 16th April 2020,organized by CoreEL Technologies, India.
26. Participated in “online quiz on NBA and OBE” conducted on 03-June-2020 organized by E&CE, SJCIT, Chickaballapur.
27. Participated in one day webinar on “APPLICATIONS OF MACHINE LEARNING” organized by Dept. of CSE, SJCIT, and Chickaballapur in association with Computer Society of India and Institution’s Innovation Council on 25 November 2020.

28. Participated in the webinar on “Up skilling- New Horizons and Opportunities: Data Analytics/ML/AI” conducted on 17-10-2020 by CSE department, CBIT Kolar.

Certifications

1. Completed successfully completing Introduction to Cyber security offered by Networking Academy through the Cisco Networking Academy program on 26/06/2025.
2. Completed successfully completing Introduction to Networking Basics offered by Networking Academy through the Cisco Networking Academy program on 11/07/2025.
3. Completed online Certification on Data Structures and Algorithms using Java in Infosys Spring Board 5/7/2024.
4. Completed online Certification on Programming using Java in Infosys Spring Board 1/7/2024.
5. Completed online Certification on” Introduction to Software Defined Networking SDN” in Infosys Spring Board 2024.
6. Completed online Certification on” Software Defined Networking” in Simple way” in Udemy 2024.
7. Completed online Certification on” Learn Complete Python in Simple way” in Udemy 2023.
8. Completed online Certification on “Python for Machine Learning” in Great Learning 2022.
9. Completed online Certification on “Java Programming” in Great Learning 2022.
10. Completed NPTEL online Certification on “Computer Networks and Internet Protocol” January-April 2020.

Area of Interest

SDN, Internet of Things, AI& ML.

Other professional Experiences

1. Reviewer for IEEE conference, Proctor, Time Table Coordinator, Class Teacher, COE coordinator.
2. Technotasav Coordinator, Quiz Coordinators, JVM Coordinator, Swachh Bharat coordinator.
3. Library Coordinator, VTU IA Marks Coordinator, TCS TECH BYTES Coordinator.
- 4 Admission Coordinator, Worked for accreditation and accredited for NBA and NACC for criteria 4
5. Project Coordinator, Seminar coordinator. Test Coordinator
6. Session Chair in Manthana 21 Organized by CSE&ISE, SJCIT, Chickaballapur.
7. Session Chair in Manthana 23 Organized by SJCIT, Chickaballapur.

Appreciation

1. Letter of Appreciation delivering talk on “**Synergizing Cyber security with AI-Driven Intelligence**” Organized by Department of CSE, SJCIT Chickballapur held on 14/02/2025.
2. Letter of Appreciation delivering talk on CO-PO attainment Calculation Organized by Department of AI and ML at SJCIT Chickballapur held on 14/03/2025.

3. Letter of Appreciation delivering an informative & thought provoking lecture on **“Basics of Database Concepts”** held on 18/01/2024 at Govt. First Grade College Chickaballapur.
4. Letter of Appreciation Resource Person for 6 days FDP on **“Object Oriented Programming In Java”** held between 28/11/2022 to 03/12/2022 organized by CSE&ISE jointly organized with VTU Belgaum.
5. Token of appreciation for participated as a Volunteer in” **Technological Barrier Reduction Program 2019-Summer Internship Program for Rural High School Students”** held between 22 April -10 may 2019 Organized by Foundation for advancement in Education in Research (FAER).
6. Token of appreciation for successfully organizing **“Technotsav-2K19”**, the students’ Technical Fest.
7. Token of appreciation for successfully organizing **“Technotsav-2K18”**, the students’ Technical Fest.
8. Token of appreciation for achieved a result of 100 % in the subject **“.NET& C #** “seventh semester in the university exam held during the month of January-2016.
9. Token of appreciation for achieved a result of 100 % in the subject **“Operation Research** “sixth semester in the university exam held during the month of June-2015.
10. Token of appreciation for achieved a result of 100 % in the subject **“Operation Research** “sixth semester in the university exam held during the month of August-2014.

Personal Profile

Name: Girish B.G
Father’s Name: Ganagadhar
Date of Birth: 10/08/1984
Nationality: Indian
Languages: English, Kannada, Telugu.
Hobbies: Listening to Music, Reading books, Painting, volley ball, Cricket.
Personal Strengths: Good Communicating Skills, Dedicated and hardworking, Patience.
Permanent Address: Bidalur [V&P]
Devanahalli [TQ]
Bangalore [RD]
Contact Number: 9620307516.

Declaration

I hereby declare that the above written particulars are true to the best of my knowledge and belief.

With regards,

Girish B.G