

Dr. GOKULAKRISHNAN S

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PROFESSIONAL SUMMARY

Innovative academician and researcher with 19 years of experience in teaching, research, and innovation in Computer Science and Engineering. Specialized in cloud computing, machine learning, and AI-powered systems with 22 Indian patents, numerous publications, and national recognitions. Adept at leading initiatives in academia-industry collaboration, curriculum development, and mentoring students.

EXPERIENCE: 19 YEARS

04-03-2024 to Present

Dayananda Sagar University, Bengaluru

Assistant Professor/CSE Department

06-10-2022 to 31-08-2023(0.11 Years)

Presidency University, Bangalore, Karnataka

Assistant Professor/CSE&IS Department

04-07-2014 to 24-06-2022(7.11 Years)

Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya [Scvmv Deemed To Be University], Kanchipuram, Tamilnadu

Assistant Professor/CSE Department

17-12-2009 to 02-07-2014 (4.6 Years)

Rajiv Gandhi College of Engineering, Sriperumbudur, Tamilnadu

Assistant Professor/IT Department

24-06-2005 to 23-11-2009 (4.5 Years)

Kanchi Pallavan Engineering College, Kanchipuram, Tamilnadu

Lecturer and HoD Incharge/IT Department

EDUCATIONAL QUALIFICATION

Apr 2022 to Apr 2023

Post Doc - Artificial Intelligence and Data Analytics

Ton Duc Thang University & Industrial University of Ho Chi Minh City (A Public Research University), Vietnam

Jan 2013 to Dec 2021

Ph.D - Cloud Computing

Sathyabama Institute of Science And Technology (Deemed To Be University), Chennai, Tamilnadu

2009 to 2011

M.Tech - Information Technology 7.1 CGPA

Sathyabama Institute of Science And Technology (Deemed To Be University), Chennai, Tamilnadu

Jan 2001 to Dec 2005

B.Tech - Information Technology 74% First Class

Pallavan College of Engineering, Kanchipuram, Affiliated To Anna University, Chennai, Tamilnadu

1999 to 2001

HSC -TN State Board- 81.23%

Anderson Hr Sec School, Kanchipuram, Tamilnadu

1999

SSLC - TN State Board-83.23%

Pachiyappas Hr.Sec School, Kanchipuram, Tamilnadu

SUBJECTS TAUGHT AT UG/PG LEVEL

- ✓ **Data Structures & Algorithms**
- ✓ **Amazon Web Services**
- ✓ **Cloud Infrastructure and Management**
- ✓ **Machine Learning**
- ✓ **Data Science**
- ✓ **Cloud Computing**
- ✓ **Big data Analytics**
- ✓ **User Interface Design**

MEMBERSHIPS

- ✓ **Indian National Academy of Engineering (INAE) - Senior Individual Member**
- ✓ **IAENG Member – Membership No -299980**
- ✓ **The Society of Digital Information and Wireless Communications (SDIWC)-34358**

PATENTS - Published 22 Indian Patents

1. **An Artificially Intelligent System and Method for Integrated Irrigation Management [Patent No 201941043307]**
2. **A Method of an Artificially Intelligent Build Repository Management System [Patent No 202041026135]**
3. **System and Method of Cloud Computing Based Integrated Control for Green Houses [Patent No 202041026136]**
4. **A System and Method for Contactless Fingerprint Scanning and Attendance Process [Patent No 202041039460]**
5. **A System and Method for Hassle Free and Secure Monetary Transactions between Accounts [Patent No 202111000590]**
6. **An Artificial Intelligence Based Method for Smart Energy Optimization for Massive Internet of Things [Patent No 202141008044]**
7. **IoT for smart systems in next generation for emerging future technique of 5G challenges [Patent No 202141016407]**
8. **A Method for Designing and Auto-Emailing E-Certificates [Patent No 202141016449]**
9. **A Method for Efficient and Faster Machine Learning [Patent No 202141017893]**
10. **Deep Learning Based System and Method for Detection of Facemask [Patent No 202141026938]**

11. A System of Computer Vision and Machine Learning for Optical Character Recognition [Patent No 202141031333]
12. Sensor Fusion with Machine Learning for the Detection of Dangerous Driver Behavior [Patent No 202141051630]
13. Design System of Smart Healthcare Cloud-based IoT Model for Detecting and Preventing Medical Diagnosis Using Deep Learning [Patent No 202141059041]
14. Human Activity Tracking and Monitoring for Healthcare System using Faster Encryption of IoT Sensor [Patent No 202241001300]
15. IoT Driven Automated Water Quality Monitoring System for Smart City [Patent No 202241010029]
16. IoT Driven Automated Intelligent System using Eyeball and Gesture Control Smart Wheelchair for Disabled Person [Patent No 202241023674]
17. IoT Driven Deep Learning-based Real-Time Smart Framing of Maize Crop [Patent No 202241037488]
18. System for Detecting Parkinson's Disease and Method Thereof [Patent No 202341033108]
19. A System & Method for Secure, Long-distance Communication Between WSN & IoT Devices Using Blockchain Technology [Patent No 202341032227]
20. Harnessing AI and Data Mining for a Robust E-commerce Fraud Detection Model [Patent No 202341042489]
21. Enhanced Video Surveillance System for Police Cops to Monitor Unusual Activities [Patent No 202341042487]
22. Adaptive AI-IoT Architecture for Early Detection of Health Abnormalities [Patent No 202541050135]

INDIAN COPYRIGHT

Revolutionizing Industries: The Impact of AI and Machine Learning in Automation and Decision-Making-Date of ROC: 07/05/2025

JOURNAL PUBLICATIONS and CONFERENCES

2025

1. Ravi Kumar,**S. Gokulakrishnan**,S. N. V. J. Devi Kosuru,R.Praveen Kumar,Thota Radha Rajesh 2025, "An efficient fuzzy logic and artificial intelligence based optimization strategy for bigdata healthcare system", Edelweiss Applied Science and Technology. [Scopus Indexed - Open Access]
2. S. N. V. J. Devi Kosuru, R.Praveen Kumar,Ravi Kumar,**S. Gokulakrishnan**,Abhisek Sethy, Velagapudi Sreenivas 2025, "A Comparative Assessment for Examining the

Performance of Reconfigurable Multiband MIMO Antennas for Communication Systems", Journal of Information Systems Engineering and Management . [Scopus Indexed - Open Access]

2023

3. S. Gokulakrishnan, Prasun Chakrabarti, Bui Thanh Hung & S. Siva Shankar, 2023, "An optimized facial recognition model for identifying criminal activities using deep learning strategy", International Journal of Information Technology, Springer. [SCI Indexed]

2021

4. Sumathy V, Brahmadesam Viswanathan Krishna, S. Gokulakrishnan, Harikrishnan G, 2021, "Blockchain based Public Distribution System", Turkish Online Journal of Qualitative Inquiry (TOJQI), Volume 12, Issue 3, June 2021: 2206-2212. [Scopus Indexed]

2019

5. S. Gokulakrishnan, J.M. Gnanasekar, 2019, "Efficient and Privacy for Data Integrity and Data Replication in Cloud Computing", International Journal of Innovative Technology and Exploring Engineering. [Scopus Indexed - Open Access]
6. S. Gokulakrishnan, J.M. Gnanasekar, 2019, "Data Integrity and Recovery Management under Peer to Peer Convolved Fault Recognition Cloud Systems", Journal of Computational and Theoretical Nanoscience. [Scopus Indexed - Open Access]

2018

7. S. Gokulakrishnan, 2018, "An Approach to E-Certificate Designing with Auto-Emailing", International Journal of Scientific Research & Engineering Trend [UGC Care]

2017

8. S. Gokulakrishnan, Dr. J.M. Gnanasekar, 2017, "Peer to Peer Convolved Fault Recognition to Conquer Single Point Stoppage in Cloud Systems" International Journal of Pure and Applied Mathematics. [Scopus Indexed - Open Access]

CONFERENCES

1. Gayatri Parasa, Deepak Kumar Nayak, Amit Gangopadhyay, M. Stanlywit, **S. Gokulakrishnan**, Priya Sharma, 2024, "Exploring the Role of Artificial Intelligence in Enhancing Chatbot Functionality"[ieeexplore]
2. Zahraa Hameed Jaber, Mohammed Ihsan, **S. Gokulakrishnan**, Hanaa Ali Alshaibani, Fatima H. Alsalamy, Hussein Al-Aboudy, 2024, "Distributed Self-

Localization with Improved Optimization with Machine Learning in IoT Applications"[ieeexplore]

3. Sai Kumar Chilukuri, Nagendra Panini Challa, J.S. Shyam Mohan, **S. Gokulakrishnan**, R. Vasanth Kumar Mehta, A. Purnima Suchita, 2021, "Effective Predictive Maintenance to Overcome System Failures - A Machine Learning Approach"[Springer Nature]
4. **S. Gokulakrishnan**, J.M. Gnanasekar 2020, "Data Integrity and Recovery Management in Cloud Systems"[ieeexplore]
5. M. Adithi Mookambal, **S. Gokulakrishnan**, 2020, "Potential Subscriber Detection Using Machine Learning"[Springer Nature]
6. **S. Gokulakrishnan**, 2018, "Use of Flipped Classroom in Data Structure Course", International Journal Of Research Culture Society.

BOOKS

- Book titled “Cloud Infrastructure Management” published by Charulatha Publications. ISBN NO:978-93-6260-465-1
- Book titled "Virtualization Privacy Concerns in Cloud Computing Environments: A Taxonomy" published by Kalaivani Publications and indexed in Amazon Kindle Edition. Link: shorturl.at/djzIS ISBN NO: 978-81-954343-0-5
- Book titled “Machine Learning” published by Charulatha Publications. ISBN NO:978-93-5577-058-5

INTERNATIONAL AND NATIONAL CONFERENCES

- International Conference – Papers Presented - 18
- International Conference – Participated – 1
- National Conference – Papers Presented - 15
- National Conference – Participated – 4

AWARDS and ACHEIVMENTS

- National Cloud Champion Coordinator award in 2020 from ICT Academy
- University Level Coordinator for IRIS-ISRO in SCSVMV
- University Level Coordinator for Coursera
- Certificate from AICTE for Toyathon Primary Evaluator and Mapathon
- Certificate from IITB-AICTE for Mapathon Mentorship
- Certified Virtual Classroom Teacher
- 2 Internshala Certificate courses

- 7 ATAL AICTE Certificate courses
- 4 Hacker Rank Certificates
- 2 NPTEL Certificates-Cloud Computing and Google Cloud Cloud Computing Google Cloud
- 1 SWAYAM Certificate-Web Technology
- 2 AICTE-Edunet Certificates Building Web Development Solutions with Cloud Computing MERN Stack Web development
- 1 Certified as a Facilitator of Intel-AI for future Work force Program
- 2 AICTE Evaluated course Certificates
- Completed Java Oracle Certificate course conducted by NITTR and Oracle
- Completed 12 NITTR Certificate courses Certificates
- Completed 4 IITB Certificate courses Certificates
- MISSION-10X High Impact Award from WIPRO
- ICT Digital Badge Award
- "Teach the Teacher" Certificate from Headway Academy
- "Train the Trainer" Certificate from Learning Without Walls
- Reviewer in “(ICCCEE) 2023” at MIT Art, Design & Technology University, Pune
- Guest Lecture on Crafting Mobile Experiences with Mobile Application Development
- AWS Academy Educator
- AWS Academy Cloud Foundations

INVITED RESOURCE PERSON Details available on request.

- Delivered Talk as a Resource Person in 12 Institutions.

FDP/WORKSHOPS/SEMINARS/STTP PROGRAMS Details available on request.

- Events Organized / Coordinated – 51
- FDP/Workshops/Seminars/STTP Programs Attended in International level -34
- FDP/Workshops/Seminars/STTP Programs Attended in National level -134

PERSONAL DETAILS

- Date of Birth : 03.06.1984
- Gender : Male
- Nationality : Indian
- Marital Status : Married
- Languages : Tamil, English
- Blood Group : O^{-ve}

DECLARATION

I hereby declare that all details given above are true and correct to the best of my knowledge.



(Dr.S.GOKULAKRISHNAN)