
Dr. Shobana S

Associate Professor and Head

Department of Computer Science

Sri GVG Visalakshi College for Women

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[LinkedIn Profile](#)

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Professional Summary

Dedicated and accomplished academic with over 19 years of experience in computer science education. Proven expertise in mobile cloud computing, data analytics, and machine learning. Recognized nationally and internationally for contributions to academia and research, including multiple awards and certifications. Committed to empowering students and enhancing educational practices through innovative teaching methodologies and research contributions.

Educational Qualifications

| Qualification | University | Year of Passing | Grade |
|--------------------------------|--------------------------------------|-----------------|------------------------------|
| Ph.D. in Computer Science | Bharathiar University | 2023 | Highly Commended |
| SET (State Eligibility Test) | Mother Teresa University | 2016 | First Class |
| M.Phil. in Computer Science | Madurai Kamaraj University | 2006 | First Class |
| Master of Computer Application | Madurai Kamaraj University | 2004 | First Class |
| B.Sc. Mathematics | Sri GVG Visalakshi College for Women | 2001 | First Class with Distinction |

Awards and Distinctions

- **Microsoft Azure Research Award:** \$20,000 (July 2016 - June 2017)
 - **Microsoft Azure Research Award:** \$5,000 (July 2017 - June 2018)
 - **Best Practices Award:** "Innovation for Rural Women Development and Empowerment" (ICT Academy, 2018)
 - **Best Performer Award:** Achievements recognized for the Academic Years 2014-2015, 2017-2018 & 2018-2019.
 - **Best Women Faculty Award:** Global Faculty Awards 2022, Edu Icon Awards, USA.
 - **Top 10 Educators of the Year 2024:** Featured in Hindustan Times (April 2024).
 - **Jyestha Acharya Award :** Bharat Education Excellence Award 2024 (April 2024).
 - **Award for Contribution to Student Development:** International Icon Awards 2024 (July 2024)
 - **TNSCST Student Project Scheme 2023-2024** proposal approved
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Certifications

- **EMC Academic Associate:** Cloud Infrastructure and Services (February 2015)
 - **VMware vITA:** Data Center Virtualization Fundamentals (June 2016)
 - **Oracle Certification:** Database Design and Programming with SQL (January 2018)
 - **Google Certification:** Google Analytics for Beginners (April 2020)
 - **Innovation Ambassador - Foundation Level** (MoE and AICTE, July 2022)
 - **Innovation Ambassador - Advanced Level** (MoE and AICTE, October 2022)
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Research Contributions

Publications:

1. Shobana, S., Radhika, N. "Energy Efficiency in Mobile Cloud Computing: A Survey" - Asian Journal of Information Technology (2016).
2. Shobana, S., Radhika, N. et al. "Secured Energy Aware Cloudlet Provisioning in Mobile Cloud Environment" - Journal of Advanced Research in Dynamical & Control Systems (2018).
3. Shobana, S., Radhika, N. "Efficient Cloudlet Provisioning Using Bio-Inspired Hybrid Algorithm in Mobile Cloud Computing" (2018).
4. Nirmaladevi, M., Shobana, S. "Crop Yield Prediction Based on Soil Nutrients using K-Means Clustering" - International Journal of Research and Analytical Reviews (2018).
5. Shobana, S., Radhika, N. "A Comparative Analysis of Cloudlet Provisioning in Mobile Cloud Computing Environment" - Proceedings of Sixth International Conference on Computing Methodologies and Communication (2022).
6. S. Shobana, Mahesh Sahebrao Wavare, K. Kalaiarasi, T. Bhaskar, M. Clement Joe Anand, and N. Sindhuja, "Incorporating Machine Learning Methods for Predictive Maintenance and Fuzzy Inventory Optimization", Springer Nature, INFUS 2024, LNNS 1089, pp. 666–678, 2024.

Book Authored:

- "Machine Learning for Handwritten Character Recognition", Scientific International Publishing House, 2022.
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Professional Development

- **Orientation and Refresher Courses:** Completed various courses to stay updated on recent trends in computer science and engineering.
 - **Workshops and Conferences:** Actively participated in numerous national and international workshops, conferences, and faculty development programs focused on emerging technologies, AI, IoT, and data analytics.
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Organizational Contributions

- **Board of Studies Chairman:** Responsible for curriculum development and academic oversight from 2009 to present.
- **Member of Academic Council:** Contributing to strategic academic decisions since 2009.
- **NAAC Committee Member:** Played a key role in preparing for Institutional accreditations and evaluations.
- **Coordinator for Faculty Development Programs:** Organized numerous workshops and outreach sessions to foster academic growth.

Invited Talks and Guest Lectures

- Delivered multiple guest lectures on topics including “Role of NEP in Making Entrepreneurs of Tomorrow” and “Applications of ICT Tools” for faculty and students across various institutions.

Community Engagement and Service

- Acted as a volunteer for community service events, including health camps and educational initiatives to support marginalized communities, emphasizing the importance of social responsibility in academia.

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