

## PROFILE

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|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name                          | V. Sonia Devi                                                                                                                                                                                                             |
| Position & Affiliation        | Assistant Professor, Department of CSE                                                                                                                                                                                    |
| Areas of Interest             | Databases, Deep Learning                                                                                                                                                                                                  |
| Email                         | soniadevi.cse@cambridge.edu.in                                                                                                                                                                                            |
| LinkedIn ID                   | <a href="https://www.linkedin.com/in/sonia-devi-287635224/">https://www.linkedin.com/in/sonia-devi-287635224/</a>                                                                                                         |
| Google Scholar ID             | <a href="#">gbah21cAAAAJ</a>                                                                                                                                                                                              |
| Orchid ID                     | 0009-006-3252-1726                                                                                                                                                                                                        |
| Vidwan ID                     | 270685                                                                                                                                                                                                                    |
| Scopus ID                     | <a href="https://www.scopus.com/dashboard.uri?origin=&amp;zone=TopNavBar">https://www.scopus.com/dashboard.uri?origin=&amp;zone=TopNavBar</a>                                                                             |
| Professional Webpage (if any) | <a href="https://sites.google.com/d/1YS2tkZPrvRVVzHe4oHz6v239zrioniVi/p/1rF6TKDpA8yBOC-08brGBynv-IMtPYgtu/edit">https://sites.google.com/d/1YS2tkZPrvRVVzHe4oHz6v239zrioniVi/p/1rF6TKDpA8yBOC-08brGBynv-IMtPYgtu/edit</a> |

### Educational Qualifications:

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|------|-----------------------------------------------------------------|-------|------|
| Ph.D | Presidency University                                           | India | 2022 |
| ME   | Sona College of Technology, Anna University                     | India | 2006 |
| BE   | Jayam College of Engineering and Technology, Periyar University | India | 2004 |

### Areas of Research:

Deep Learning

### Brief Profile: (write about yourself)

**Ms. Sonia Devi V**

**Assistant Professor, Department of Computer Science and Engineering**

With academic interests spanning Computer Concepts and C Programming, Data Structures in C, Database Management Systems, Software Testing, and Software Engineering, I bring a strong passion for teaching and mentoring. I hold a Bachelor of Engineering (B.E.) degree in Computer Science and Engineering from Periyar University and a Master of Engineering (M.E.) degree in Computer Science and Engineering from Anna University.

Throughout my career, I have actively participated in numerous workshops and faculty development programs conducted by esteemed institutions, continually enhancing my knowledge and teaching methodologies.

With over 12 years of teaching experience, I have been associated with Cambridge Institute of Technology

since 2012. During this tenure, I have guided both B.E. and M.Tech students in their seminars and project dissertations, fostering their academic growth and research capabilities.

#### Awards/Achievements/Others:

- Awarded bronze medal from Infosys for coordination of Infosys Campus Connect classes.
- Awarded as **Wipro certified Faculty Mentor** for Project-based Learning in Java full Stack.
- Successfully completed a project on cloud computing with big data, earning a gold medal and receiving the Advanced Technology Certified Faculty certificate from Wipro.
- Completed Nptel Course on Python for Data Science – with score 90% (Topper 1% : Gold Medal)

#### Courses Taught:

Data Structures and Applications, DBMS, Problem solving using C, Object oriented Programming in Java, Advanced Java and J2EE

#### Publications/Patents:

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|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Publications       | <p>The survey paper, titled "Analysis of Epileptic Seizure Detection using Deep Learning Algorithms," was published in the 2024 Third International Conference on Distributed Computing and Electrical Circuits and Electronics (ICDCECE).</p> <p>DOI: 10.1109/ICDCECE60827.2024.10548098</p> <p><a href="https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&amp;arnumber=10548098">https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&amp;arnumber=10548098</a></p> <p>The Deep Learning-Based Epileptic Seizure Detection Using a 2-Layer Convolutional Network with Long Short-Term Memory, published in the <i>International Journal of Intelligent Engineering and Systems</i>, Vol. 17, No. 6, 2024. DOI: 10.22266/ijies2024.1231.43.</p> <p><a href="https://inass.org/wp-content/uploads/2024/08/2024123143-2.pdf">https://inass.org/wp-content/uploads/2024/08/2024123143-2.pdf</a></p> |
| Patents            | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Book/Book Chapters |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

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**Research and Consultancy:**

- Awarded as **Wipro certified Faculty Mentor** for Project-based Learning in Java full Stack on Nov 10, 2022.
- Successfully completed a project on cloud computing with big data, earning a gold medal and receiving the Advanced Technology Certified Faculty certificate from Wipro.
- Completed 2 batches of training for students during the AY: 2023-24 &2024-25 on Java full stack and students have received course completion certificates for completing TalentNext course on Java full stack by Wipro.