

## **SINDHU MATHIYAZHAGAN**

2/411, Sri Krishna Nagar,  
2<sup>nd</sup> Street,  
Perumbakkam,  
Chennai - 600 100  
**Email:** msindhume@gmail.com



### **Objective**

Hoping to obtain a position where I can contribute to the organization with my exceptional interpersonal, technical, communication and teaching skills. Aspiring college professor with proven lecturing skills looking to provide students with valuable knowledge.

**Working Experience:** 6 Years

#### **1. Prince Shri Venkateswara Padmavathy Engineering College, Chennai.**

Period: June 2023 to Till Date  
Designation: Assistant Professor

#### **2. Salem College of Engineering and Technology, Salem**

Period: August 2013 to July 2017  
Designation: Assistant Professor

### **Qualification:**

- Pursuing **Ph.D(Part time/External)** in **SAVEETHA University**.
- **M.E in Computer Science and Engineering** from K.S.Rangasamy College of Engineering and Technology, Passed with CGPA 7.58.
- **B.Tech** in Information Technology from Paavai Engineering College, Passed with CGPA 8.34 .
- **HSC** from Sri Ramakrishna Saradha Hr Sec School(State Board), Salem, Passed with 73.5%.
- **SSLC** from Sri Vidhya Mandir Hr Sec School(CBSE), Salem, Passed with 74.5%.

### **Academic Projects:**

- Improving QoS of MANET Using Hybrid Position Based Routing Algorithm.
- Enhancement of Password Guessing Resistant Protocol With Cookie and Session Monitoring.

### **Journal:**

- Published a paper titled “Enhancement Of Password Guessing Resistant Protocol With Cookie And Session Monitoring” IJAIR International journal of Advanced and Innovative Research, Volume 2, Issue 4 April 2013.

### **Conference and Training details:**

- ⌘ Evaluating Clustering In Subspace Projections Of High Dimensional Data” in National Conference (ACSNS’12).
- ⌘ Enhancing Power Grid Resilience against Cyber Threats in the Smart Grid Era, Web of Conferences
- ⌘ ML-Based Financial Forecasting in ERP: Improving Budgeting Accuracy with Long Short-Term Memory Networks, IEEE International Conference on Communication, Computing and Signal Processing(IICCCS 2024)
- ⌘ A Machine Learning-Based Forecasting Model with Deep Learning Capabilities for Unbalanced Time Series Data, Global Conference on Communications and Information Technologies (GCCIT 2024)

- ⊗ Intelligent Time Management Recommendations Using Bayesian Optimization, IEEE International Conference on Communication, Computing and Signal Processing (IICCCS 2024)
- ⊗ Wavelet Transform Based Feature Extraction for Fault Diagnosis in Machinery, 15th International Conference on Computing Communication and Networking Technologies (ICCCNT 2024)
- ⊗ Experimental Evaluation of a Secured Phrase Searching Model Using Cipher Principles Over Cloud Computing Platform, International Conference on Intelligent Systems for Cybersecurity, (ICS 2024)
- ⊗ An Experimental Evaluation of an Effective QR Code Based Duplicate Product Detection Using Blockchain Technology, International Conference on Intelligent Systems for Cybersecurity (ISCS 2024)
- ⊗ Enhanced Prediction of Early-Stage Autism Using Supervised Learning with Optimized Feature Engineering, IEEE 4th International Conference on ICT in Business Industry and Government (ICTBIG 2024).
- ⊗ Detecting Fraudulent Marketing in Online Social Networks and Mitigating Cyber Threats with Advanced Security Approaches, IEEE 4th International Conference on ICT in Business Industry and Government (ICTBIG 2024).
- ⊗ Integrating Multi-Resolution U-Net for Morphological Segmentation with Multi-Scale Processing in Shape Recognition, IEEE 4th International Conference on ICT in Business Industry and Government (ICTBIG 2024).
- ⊗ Protecting Remote Login Services From Brute Force And Dictionary Attack in National Conference (NCRTIC 2013)
- ⊗ Enhancement Of Password Guessing Resistant Protocol With Cookie And Session Monitoring in International Conference (ICICI 13)
- ⊗ Distributed Load Balanced Clustering For Self Sensor Organization in International Conference (RTCIT - 15)
- ⊗ Completed a course on “Aptitude” Conducted by Axiom Academy at Paavai Engineering College, Namakkal.
- ⊗ Completed a course on “Cloud Computing and Open Source tools” at K.S.Rangasamy college of Technology, Tiruchengode.
- ⊗ Completed a course title “Cisco Router Administration”.

#### **Faculty Development Program:**

- Transforming Industries With AI : Deep Learning Breakthroughs and Real-World Applications at SRM Institute of Science and Technology, Ramapuram Campus from 20/01/2025 to 25/01/2025.
- Reconfigurable Intelligent Surfaces for 6G Wireless Communication: Fundamentals to Future Research Directions at National Institute of Technology, Tiruchirappalli from 23/12/2024 to 28/12/2024.
- Exploring Machine Learning Cyber Security: Tools and Trends at Sri Venkateshwara College of Engineering from 05/08/2024 to 09/08/2024.
- Reconfigurable Intelligent Surfaces for 6G Wireless Communication: Fundamentals to Future Research Directions at IIT, Tiruchirappalli(ATAL) from 23/12/2024 to 28/12/2024.
- Reconfigurable Intelligent Surfaces for Transforming Industries With Ai : Deep Learning Breakthroughs And Real-World Applications at SRM Institute Of Science And Technology, (ATAL) Ramapuram Campus from 20/01/2025 to 25/01/2025.

#### **Workshops and Seminars Attended:**

- Attended one-day workshop on “Opera Software” at Paavai Engineering College, Namakkal.
- Attended a seminar on “Software Project Management” at K.S.Rangasamy College Of Technology,

Tiruchengode.

- Attended a seminar on “Free Software Movement in Education” By Dr. Richard Matthew Stallman at K.S.Rangasamy College Of Technology, Tiruchengode.

**Skills:**

Programming Language: C, C++, Java

Operating System: Windows 9x, Windows2000 and DOS, Unix, Linux

GUI and Database : Developer 2000 & Oracle 8i

Simulator : NS2

**Roles and Responsibilities:**

- Acting as a staff in charge & Faculty advisor (maintaining student details namely attendance, marks etc).
- Acted as a coordinator for the Women's Day function
- Acted as a project coordinator.

**Subjects Taught:**

- ⌘ Theory of Computation
- ⌘ Operating Systems.
- ⌘ Computer Networks.
- ⌘ Ethics and AI.
- ⌘ Software Project Management.
- ⌘ Object Oriented Programming
- ⌘ Principles of Compiler Design
- ⌘ Distributed systems
- ⌘ Database Management system

**Personal details:**

<b>Father's Name</b>	K.Mathiyazhagan
<b>Husband Name</b>	P.Santhosh
<b>Nationality</b>	Indian
<b>Date of birth</b>	21st April, 1990
<b>Languages known</b>	English, Tamil
<b>Marital status</b>	Married

**Declaration:**

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

**Place:**

**Date:**

**(Sindhu.M)**