

A.SHARMILA AGNAL

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Academic Experience

- Working as Assistant Professor of IT department in **Sri Sai Ram Engineering College**, Chennai (June 2024 to till date)
- 5 years of teaching experience as Assistant Professor of CSE department in **SRM Institute of Science and Technology**, Ramapuram, Chennai.
- 5 years of teaching experience as Assistant Professor of CSE department in **National Engineering College (Autonomous)**, Kovilpatti.

Subjects Handled

1. Database Management Systems
2. Python Programming
3. Operating Systems
4. Object Oriented Programming using C++
5. Problem Solving Techniques
6. Java Programming
7. Data Mining and Analytics
8. Statistical Machine Learning
9. Artificial Intelligence
10. Mobile Application Development
11. Design and Analysis of Algorithms
12. Software Testing Techniques
13. Object Oriented Analysis & Design
14. C# & .Net Technologies
15. Computer Networks
16. Advanced Java Programming
17. Cryptography & Network Security
18. Web Technologies
19. User Interface Design
20. Software Engineering

Technical Skills

- C, C++
- Java
- Python
- MySQL, Oracle, SQL
- HTML, CSS, JavaScript

Academia

- Pursuing **PhD (CSE)** from SRM Institute of Science and Technology, Kattankulathur.
- **M.E(CSE)** from Mepco Schlenk Engineering College, Sivakasi with CGPA 8.77 (FWD) in 2011.
- **B.E(CSE)** from Government College of Engineering, Bargur with 79% (FWD) in 2009.
- **Higher Secondary** from Government Higher Secondary School, Munchirai with 96% in 2005.
- **High School** from Government Higher Secondary School, Munchirai with 95% in 2003.

Publications

- “*Blockchain Based Electronic Medical Health Records Framework*” in *International Conference on Computer and Communications Technologies, IEEE, 2025*
- “*Automated IoT Indoor Hydroponic Farm*” in *International Conference on Power, Energy, Control and Transmission Systems, IEEE, 2024*
- “Recognition and Classification of Fetal Brain Abnormalities”, in *Turkish Journal of Computer and Mathematics Education*, Vol.12 ,No.9, Pages 2534– 2540,2021
- “Analyzing Diabetic Data Using Naive-Bayes Classifier”, in *European Journal of Molecular & Clinical Medicine*, Vol. 7, Issue 4, ISSN No. 2515-8260, Pages 2687- 2699, 2020.
- “Smart crowd management using location based services”, in *International Journal of Engineering Applied Sciences and Technology*, (IJEAST), Vol. 5, Issue 1, ISSN No. 2455-2143, Pages 423-428, May 2020.
- “*Heavy Eyed Driver Detection System*”, in *International Journal of Innovative Technology and Exploring Engineering (IJITEE)*, ISSN: 2278-3075, Volume-9 Issue-1, November, 2019.
- “*Sentimental Analysis using Neural Networks*”, in *International Journal of Innovative Technology and Exploring Engineering (IJITEE)*, ISSN: 2278-3075, Volume-9 Issue-1, November, 2019.

- “Autism Support System using RFID Technology”, in International Journal of Engineering and Advanced Technology (IJEAT), ISSN: 2249 – 8958, Volume-9 Issue-1, October 2019.
- “Predicting Survival of Brain Tumor Patients using Deep Learning” in International Journal of Innovative Technology and Exploring Engineering (IJITEE), ISSN: 2278-3075, Volume-8 Issue-6, April 2019.
- “Scene Recognition using Places Dataset” in International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-8 Issue-6, April 2019.
- “Crowd-Based Profiling: A Framework To Detect Psychological Disorders In Social Media Users”, in International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277-3878, Volume-7, Issue-6, March 2019.
- *“Analysis of big video data for low power storage system” in International Journal of Engineering and Advanced Technology,8(4), pp. 691–695, 2019.*
- *“ABTAS: An Automated Baggage Tracking and Alert System using RF Technology”, in International Journal of Engineering and Technology, Volume-7, Issue-4, November 2018.*
- “IoT Based Smart Medical Adherence System” in International Journal for Science and Advance Research in Technology (IJSART), Volume : 4, Issue : 11, November 2018
- “Crop Defect Detection Using Machine Learning “ in Journal of Emerging Technologies and Innovative Research (November 2018, Volume:05, Issue:11)
- “Automated Smart Greenhouse Environment Using IoT “ in International Research Journal Of Engineering And Technology (October 2018, Volume:05, Issue:10)
- “Air and Noise Pollution Monitoring System” in International Journal of Research in Engineering, Science and Management(October 2018, Volume:01, Issue:10)
- “MECABOT: A Home Security Smart Phone Robot” in Asian Journal of Science and Applied Technology, ISSN: 2249-0698 ,Vol. 7 No. 1, pp.28-32, June 2018.
- “A Novel Approach of Encrypted Data on Cloud Storage” in International Journal of Innovative Research in Computer and Communication Engineering " (Vol.5, Issue 3, March 2017).
- “Noise Removal from Microarray Images Using Maximum A Posteriori based Bivariate Estimator” in International Journal of Image, Graphics and Signal Processing (Vol.5, No.1, January 2013).
- “Compression of Microarray Images Using Multibitplane Method” in ICTACT Journal on Image and Video Processing (Volume: 01, Issue: 04, May 2011).

Conferences

- Presented a paper entitled “**Trash Tracker: IoT Based Garbage Monitoring System Using Raspberry PI**” in IEEE International Conference on Computer and Communications Technologies 2025(ICCCT’25) organized by Sri Sai Ram Engineering College, Chennai
- Presented a paper entitled “**Stats Analyst Using Cricalyt**” in IEEE International Conference on Power, Energy, Control and Transmission Systems 2024(ICPECTS’24) organized by Sri Sai Ram Engineering College, Chennai
- Presented a paper entitled “**Analyzing Diabetic Data Using Naive-Bayes Classifier**” in International e-Conference on Information, Communication and Networking 2020 (IECICN 20) organized by Easwari Engineering College, Chennai.
- Presented a paper entitled “**Recognition And Classification Of Fetal Brain Abnormalities**” in International e-Conference on Information, Communication and Networking 2020 (IECICN 20) organised by Easwari Engineering College, Chennai.
- Presented a paper entitled “**ALTA: An Automated Luggage Tracking cum Alert System using RF Technology**” in the IEEE International Conference on Computing Technologies and Intelligent Data Engineering (ICCTIDE’16) organised by National Engineering College, Kovilpatti.
- Presented a paper entitled “**Multi-bitplane Compression technique for Microarray Images**” in the National Conference on Crypt Analysis Techniques in Computer Hacking (CATCH’11) organised by Einstein College of Engineering, Tirunelveli.

Courses

- NPTEL courses
 1. Database Management System
 2. Data mining
 3. Python for Data Science
- Coursera courses
 1. Introduction to Big Data
 2. R Programming
 3. Introduction to Data Science in Python
 4. SQL for Data Science

Personal Details

Date of Birth : 17/09/1987
Sex : Female
Marital Status : Married

Declaration

I, hereby declare that the information provided above is true to the best of my knowledge.

A. Sharmila Agnal