Reena R
No.218,F2-Seela Inn Flat,
Ram Nagar 7th main road,
Velachery,Chaennai-42
E-Mail: r.reena.it@psvpec.in

Objective:

To be a part of a professionally managed educational organization where I can learn the upcoming technology by polishing my skills and contribute to the growth of the organization.

Experience:

➢ Working as **Assistant Professor** in the **Department of Information Technology, Prince Shri Venkateshwara Padmavathy Engineering College, Chennai (July 2023 to till now).**

➢ Worked as **Assistant Professor** in the **Department of Computer Science and Engineering, Prince Shri Venkateshwara Padmavathy Engineering College, Chennai (August 2007 to June 2023).**

➢ Worked as **Lecturer** in the **Department of Computer Science and Engineering, St.Xavier's Cathelic College of Engineering, Nagercoil (July 2005 to April 2006)**

Educational profile:

➢ *Pursuing Ph.D(Parttime)* in *Bharath Institure of Higher Education and Research under the supervision of Dr.L.Nalini Joseph, Professor, BIHER*.

➢ *Completed M.E* in *Computer Science and Engineering* from *St.Joseph College of Engineering, Chennai, Passed with 76%.(First Class with Distinction) in the year 2008.*

➢ *Completed B.E.* in *Computer Science and Engineering* from *CSI Institute of Technology,Thovalai, Passed with First Class with 73 %.(First Class) in the year 2005.*

➢ *Completed HSC* from *LMS Girls Hr Sec School,Neyyoor,K.K.Dist , Passed with 84.80%(2001 March)*

➢ *Completed SSLC* from *LMS Girls Hr Sec School,Neyyoor,K.K.Dist, Passed with 92.5%.(1999 March).*

Technical skills:

- Programming Languages
  C, C++, Java, Python
- Database
  Oracle, SQL

Subjects Handled:

- Operating System
- Computer Graphics
- Compiler Design
- Theory of Computation
- Computer Architecture
- Grid and Cloud Computing
- Object Oriented Analysis and Design
- Artificial Intelligence and Machine Learning
- Data Science
- Cloud Compuing
- Big Data Analytics

Publication Details:

1."Locality Recognition of vehicle Number plate using Image Processing Technique"-International Journal of Advance Research andInnovative Ideas in Education-ISSN:2395- 4396 Vol-3 Issue-1
Feb 2017.

2." Mapping CDA Documents for Health Information Exchange fromMultiple Hospitals using Cloud computing System"-International Journal of Research in Engineering Technology- E-ISSN. 2455- 1341,Vol 4 Issue-2-Feb 2017

3." Energy efficient Secure Provence transmission in WSN"-International Journal of Advance Research and Innovative Ideas in Education-ISSN:2395- 4396 Vol-3 Issue-1-Feb 2017

4. "Health care data Sharing using encryted URL and LIVEID"-International Journal for Scientific Research &Development-Volume 6,Issue I, ISSN:2321-0613-March 2018.

5." Sql Query Injection a Hazard using web Application"-International Journal for Engineering and techniques-Volume 4,Issue 2, ISSN:2395-1303-March 2018.

6.An adaptive fuzzy neuro inference system for classification of ECG CardiacArrthymias
AIP Conference Proceedings 2022 | Conference paper DOI: 10.1063/5.0079821
EID: 2-s2.0-85131184023 Part of ISSN: 15517616 0094243X
CONTRIBUTORS: Vani, R.K.K.; Sowmya, B.; Kumar, S.R.S.; Babu, G.N.K.S.; Reena, R.

7. Detection of potholes using IoT and citizen feedback on maintenance of road
AIP Conference Proceedings 2022 | Conference paper DOI: 10.1063/5.0074514
EID: 2-s2.0-85131151051 Part of ISSN: 15517616 0094243X

CONTRIBUTORS: Reena, R.; Kapilavani, K.; Balakumar, P.; Senthilkumar, S.R.; Sureshbabu, G.N.K.

8. Garden nurture using internet of things (IoT) AIP Conference Proceedings
2022 | Conference paper DOI: 10.1063/5.0074517 EID: 2-s2.0-85131160569
Part of ISSN: 15517616 0094243X CONTRIBUTORS: Kannan, K.N.; Anbu, S.; Veeralakshmi, P.; Sowmya, S.; Reena, R.

9. Intelligent therapy aided by advanced computational technology AIP Conference Proceedings
2022 | Conference paper DOI: 10.1063/5.0074507 EID: 2-s2.0-85131192758
Part of ISSN: 15517616 0094243X CONTRIBUTORS: Senthilkumar, S.R.; Sureshbabu, G.N.K.; Reena, R.; Kannan, K.N.; Balakumar, P.

10. Knowledge discovery in heart disease dataset AIP Conference Proceedings
2022 | Conference paper DOI: 10.1063/5.0074508 EID: 2-s2.0-85131207714
Part of ISSN: 15517616 0094243X CONTRIBUTORS: Ayyappan, G.; Veeralakshmi, P.; Reena, R.; Senthilkumar, S.R.; Sureshbabu, N.G.K.

11. Developing Intelligent AI-Driven Systems for Automated Data Science
M Komal, G Shrimal, AP Singh, S Jebaraj, L Dhingra, R Reena
2023 International Conference on Emerging Research in Computational Science

12. Optimizing energy consumption in smart homes using machine learning techniques
N Kumar, K Sundaram, R Reena, S Madhumathi
E3S Web of Conferences 387, 02002

13. Exploring the Use of Machine Learning Techniques for Enhancing Real-Time Data Access
S Rampal, HS Shreenidhi, M Shrivastava, AP Singh, R Reena, SD Kumar
2023 3rd International Conference on Smart Generation Computing

14. IoT-Based Assistant for Alzheimer's Patient with Reminder System and Tracking Using GPS
R Reena, R Srishti, M Harini, A Mohamed, E Surayyo
E3S Web of Conferences 399, 04053

15. A Comparative Analysis of Routing Protocols in Vehicular Delay-Tolerant Networks
J Khurana, R Roopashree, VA Meshram, NV Balaji, S Gupta, R Reena
2024 15th International Conference on Computing Communication and Networking

16. Stir Speed and Reinforcement Effects on Tensile Strength in Al-Based Composites
S Rajendran, P Arulpandy, R Reena, G Thakur, HM Al-Jawahry
E3S Web of Conferences 491, 04020

17. Optimal Control of Fast Charging Converters for Renewable Systems in E-Vehicle Applications,Optimal Control of Fast Charging Converters for Renewable Systems in E-Vehicle Applications,Ali Al Mansory; Khare, Neha; Reena, R; Mundheradnan, Myasar; Singh, Devendra ; et al. E3S Web of Conferences; Les Ulis, Vol. 540, (2024).
DOI:10.1051/e3sconf/202454002009

18. Real-Time Reconstruction of 3D Space using Holographic Video,Vivek Deshpande, D Anandha Silambarasan, Hitesh Kalra, R Reena, Shivangi Gupta, C Manjunath,2024 15th International Conference on Computing Communication and Networking Technologies (ICCCNT)

19.A Lightweight & Effective Public-Key System for IoT Applications Using DL Architecture,P Marwaha, R Reena, MC Lohani, SV Menon, VN Aher, A Amudha,2024 Global Conference on Communications and Information Technologies (GCCIT)

20.Neural network-based signal processing techniques for near-field acoustics,KP Premalatha, LA Bewoor, P Karthigaikumar, Sanjay Bhatnagar, R Reena, Shikhar Gupta,2024 IEEE 2nd International Conference on Innovations in High Speed Communication and Signal Processing (IHCSP)

21.Probing the architectural and protocol design depths for edge computing excellence in Web3. 0,2024 IEEE 2nd International Conference on Innovations in High Speed Communication and Signal Processing (IHCSP),G.Ravivarman,Sakthi Sobti,Reena R,Deepak Minhas,Nalini Sunil M,S.A.Tiwaskar

Patent Details:

1.AR App for Monuments Application number:202241039542 A
2.A Smart Watch for vital records and AYUSH-based lifestyle recommendations
3. A systematic vision-based hand gesture motion identify to enabled of home automation using IOT. Application no.202241001748A
4.Solar Keychain Charger, Application number.202441035665 A
5.Voice Asan MAT for YOGA, Application number.202541005767A

Other Skills:
1. Participated as a mentor in the **Smart India Hackathon** and the **Chattra Vishwakarma Award**

2. Completed **14 NPTEL** courses and awarded **DISCIPLINE STAR** in the year 2023 and **MOTIVATED LEARNER** in the year 2024.

3. Participated in more than 15 Faculty Development Programmes including **ATAL FDP**.

4. Guided more than 60 UG Students projects related to my field of interest like Artificial Intelligence and Machine Learinng, IoT, Cloud Computing,Data Science and Data Analytics

5. Mentored 2 teams for Innovative Assignment Presentation

Personal profile:

Date of birth   :   14-05-1984
Sex   :   Female
Nationality   :   Indian
Languages known   :   English,Tamil & Malayalam

Declaration

I herby declare that the information furnished above is true to the best of my knowledge and if selected I would apply my sincere efforts to the welfare of the organization.

Place: Chennai
Date: (R.Reena)