

RESHMA LILL MATHEW

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OBJECTIVE

Seeking a position to utilize my skills and abilities in the institute I work that offers professional growth while being resourceful, innovative and flexible.

SUMMARY

1. Professionally **6 years** of experience as **Assistant Professor** in Computer Science and Engineering Department.
2. Paper published “Detecting selfish nodes in MANET using collaborative watch dogs “in the International Journal of Advanced Research in Computer science and Software engineering. (<https://pdfs.semanticscholar.org/5c1f/826d3d3cb7b466157d677063b1b9540bb5fc.pdf>)
3. Paper published “Traffic Congestion Control Using SUMO Simulator”,” International Scientific Journal of Contemporary Research in Engineering Science and Management (ISJCRESM), Volume 5 Issue 2 ,June -August,2020.
4. Worked as NAAC committee member in department level.
5. Attended faculty development program at **Dayananda Sagar University, Bangalore**.
6. Paper presented on **MANET Performance Enhancement by eliminating selfish nodes** in the international conference on emerging trends in Information & Communication Engineering (**ICEICE '13**) at **CAPE Institute of Technology**, Levegnipuram
7. Paper presented on **Detecting Selfish Nodes in MANET using collaborative watchdog** in sixth National Conference(**RETREW '13**) at **TKM Institute Of Technology**, Kollam.
8. Organised National level workshops during PG course at **SCAD College Of Engineering**, Tirunelveli.

EXPERIENCE

HKBK COLLEGE OF ENGINEERING, Bangalore, Karnataka

Assistant Professor (Computer Science and Engineering) (July 2019 – Present)

CHRISTIAN INSTITUTE OF MANAGEMENT, Bangalore, Karnataka

Assistant Professor (Bachelor of Computer Applications) (July 2017 – July 2019)

COLLEGE OF ENGINEERING, Pathanapuram ,Kerala

Assistant Professor (Computer Science and Engineering)(July 2014 – March2015)

SREE BUDDHA COLLEGE OF ENGINEERING, Pathanamthitta ,Kerala

Assistant Professor (Computer Science and Engineering) (February 2013 – May 2014)

CERTIFIED COURSES

Completed Python Automation and Testing, Wireshark Essential Training in LinkedIn Learning.

Completed “Technical support fundamentals” course authorized by Google through Coursera.

SUBJECTS HANDLED

1. Operating System
2. Data Structures
3. Data Communication & Networks
4. Web Programming
5. C Programming

AREAS OF INTEREST

1. Python
2. Web Technology
3. Operating System

TECHNICAL SKILLS

C, C++, Python, HTML, MySQL

POSITIONS HELD

1. NAAC committee Member
2. Women's cell coordinator.
3. Department Timetable Coordinator.
4. Department Cultural coordinator.
5. Class Advisor and mentor.
6. Computer club coordinator.

EDUCATION

M.E (Computer Science and Engineering) from **Anna University**, Chennai (2013 with **8.23 CGPA**)

B.E (Computer Science and Engineering) from **Annamalai University**, Chidambaram (2011 with **7.64 CGPA**)

PROJECTS

Detecting selfish nodes in MANET using collaborative watchdogs

Selfish nodes are the nodes participating in the network which are hesitated to forward the packets in order to save the resources under the energy constraints. Watchdogs are well known mechanism to detect the threats and attacks from the misbehaved and selfish nodes in the networks.

Roles And Responsibilities

1. Developed end to end application from the scratch.

Technologies & Tools: Java, Netbeans IDE

Content based image retrieval based on relevance feedback

Content-based means that the search analyzes the contents of the image such as keywords, tags, or descriptions associated with the image. The term "content" in this context might refer to colours, shapes, textures, or any other information that can be derived from the image itself.

Roles And Responsibilities

1. Creating database and adding the image data in database using python script.
2. Developed UI screen for showing the search results.

Technologies & Tools: Python, Java, HTML, MySQL

PERSONAL DETAILS

Name	:	Reshma Lill Mathew
DOB	:	March 06, 1990
Nationality	:	Indian
Marital Status	:	Married

DECLARATION

I hereby declare that above information is correct to the best of my knowledge and belief.

Place: Bangalore

(Reshma Lill Mathew)