

# R.Poovarasi

*MI-150, Vasantham Nagar,  
Tamilnadu housing Board,  
Opp to Periyar University\  
Kottagoundampatty(PO),  
Omalur(T.K),  
Salem(D.T)*  
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- Consistently Strive to create a challenging and engaging learning environment in which students become life-long Scholars and learners.
- Highly competent and dependable teaching professional with an established reputation in curriculum enhancement and integration of technology into daily lessons.

## PERSONAL INFORMATION

Born July 17th, 1989 in Salem (Tamil Nadu)  
Citizenship: Indian  
Marital status: Single

## WORK HISTORY

08. 2012 - PRESENT **DHIRAJLAL GANDHI COLLEGE OF TECHNOLOGY**  
Assistant professor  
Department of Computer Science and Engineering

- During above tenure, handled classes on C programming theory and practices, Computer Programming, Computer Graphics, Mobile computing, Design and Analysis of Algorithm, Data Structures and OOPS, DBMS and also handled laboratory classes for Mobile Application Development, DS&OOPS and C Programming, Computer Graphics, Internet Programming, Database Management Systems.

## EDUCATION

06.2010 – **MASTER OF COMPUTER ENGINEERING (M.E)**  
06.2012 K.S.R COLLEGE OF ENGINEERING, NAMAKAL.  
ANNA UNIVERSITY-CHENNAI  
92.7% (University 17<sup>th</sup> Rank Holder)

06.2006 – **BACHELOR OF ENGINEERING (B.E-CSE)**

06.2010

ADHIYAMAAN COLLEGE OF ENGINEERING, HOSUR.  
ANNA UNIVERSITY-CHENNAI  
74% (First Class)

## ACADEMIC ACHIEVEMENTS

Individual Theory Subject Results in Teaching Experience

06.2012 – 06.2016	C' PROGRAMMING	89%
	DATA STRUCTURES AND OOPS	80%
	DATABASE MANAGEMENT SYSTEM	86%
	DESIGN AND ANALYSIS OF ALGORITHM	89%
	COMPUTER GRAPHICS	91%
	MOBILE COMPUTING	98%
06.2012 – 06.2016	C' PROGRAMMING AND DS&OOPS LAB	100%
	DATABASE MANAGEMENT SYSTEM LAB	100%
	INTERNET PROGRAMMING LAB	100%
	COMPUTER GRAPHICS LAB	100%
	MOBILE APPLICATION DEVELOPMENT LAB	100%

## TECHNICAL SKILLS

Operating Systems	Windows XP, 2005, 2007,Federo,Ubuntu
Languages	C, C++,JAVA ,HTML,XML,C#.Net,PHP.
Concepts	Android Application Development,Object Oriented Programming,Graphics Programming
Databases	SQL Server 2005
Design	Blender,GIMP
GUI	VB.Net,ASP.Net

## PERSONAL SKILLS

- Hardworking, self-motivated, highly responsible and dedicated to work, can work with team or independently, good at solving problems, and interested in learn new things. Good communication skills.
- Flexible team player who thrives in environments requiring ability to effectively prioritize and juggle multiple concurrent projects.
- Quick learner, extremely goal-oriented, innovative and adapts easily to new situations.
- Ability to provide a training program to the undergraduate students as well as motivating them for achieving the desired effects.
- In-depth knowledge of various techniques and approaches applied at a research project.
- Perfect knowledge about the common job duties of a lecturer and ability to

perform them efficiently.

- A little familiarity with the general administrative environment at educational institutes and idea about their practices.

## **RESPONSEBILITIES**

- Acting as a Class Advisor for computer science and Engineering from june 2013 to June 2016.
- Act as Project Phase Coordinator for Post Graduate Students.
- Act as a Proposal Coordinator for computer science and Engineering and send many proposal to funding agencies like DRDO,ICSSR,DST(SERB),ACM on 2014 to 2015.
- Act as a Industrial Visit Coordinator on 2014
- Acting as a Time Table Coordinator from 2013 &2016.
- Experience & Skills in developing curriculum to accomadate different learning styles & maximizing student comprehension: Conductedworshop&Guest Lecture,Conferences.
- Providing a guidance to the students for developing their career as well as making them familiar with different career opportunities
- Preparing teaching material like Notes(e-commerce) and Lab manual(Internet programming,CP lab,Mobile Application Development,Computer Graphics etc..) and utilizing it for the progress of students.
- Contributions for NAAC and NBA Accreditations.
- Helping the students as Co-Supervisor for completing their UG&PG project works.

## **AREA OF INTREST**

C programming and Oops concepts  
JAVA Concepts  
Graphics Programming  
Android Application Development  
Cloud Computing

## **PROJECT DESCRIPTION**

Project Name           **ENSURING THE INTEGRITY OF DATA STORAGE SECURITY USING TPA IN CLOUD COMPUTING**

Description           Our contribution includes identifying the problem of ensuring the integrity of data storage in Cloud Computing. In particular, we consider the task of allowing a third party auditor (TPA), on behalf of the cloud client, to verify the integrity of the dynamic data stored in the cloud. The introduction of TPA eliminates the involvement of the client through the auditing of whether his data stored in the cloud are indeed intact, which can be important in achieving economies of scale for Cloud Computing.  
To achieve efficient data dynamics, we improve the existing proof of storage models by manipulating the classic Merkle Hash Tree construction for block tag authentication

Project Name           **EFFICIENT METHODOLOGY FOR LARGE SCALE IP TRACEBACK USING PPM ALGORITHM**

Description           It presents an approach to IP trace back based on the probabilistic packet marking paradigm. Our approach, which we call randomize-and-link, uses large checksum cords to “link” message fragments in a way that is highly scalable, for the checksums serve both as associative addresses and data integrity verifiers. The main advantage of these checksum cords is that they spread the addresses of possible router messages across a spectrum that is too large for the attacker to easily create messages that collide with legitimate messages.

## **CONFERENCES**

Type                   **INTERNATIONAL**  
Name of the           **IEEE INTERNATIONAL CONFERENCE ON MATHEMATICAL**  
Conference           **COMPUTER ENGINEERING**  
Place                  **VIT-CHENNAI**  
Year                   **2016**

Type                   **INTERNATIONAL**  
Name of the           **IEEE INTERNATIONAL CONFERENCE ON ENGINEERING &**  
Conference           **TECHNOLOGY**  
Place                  **RATHINAM TECHNICAL CAMPUS,COIMBATORE**  
Year                   **2016**

Type                   **INTERNATIONAL**

Name of the Conference	INTERNATIONAL CONFERENCE ON HEALTH,FOOD AND ENERGY SECURITY
Place	Mother therasa Post Graduate and Research Institute,Pondychery.
Year	2015
Type	<b>INTERNATIONAL</b>
Title	ENSURING THE INTEGRITY OF DATA STORAGE SECURITY AND MULTIPLE AUDITING USING TPA IN CLOUD COMPUTING
Place	JKKN College of Engineering, Coimbatore.
Year	2012
Type	<b>NATIONAL</b>
Name of the Conference	NATIONAL CONFERENCE ON INTELLIGENT COMPUTING WITH IOT
Place	Dhirajlal Gandhi College of Technology,Salem.
Year	2016
Type	<b>NATIONAL</b>
Name of the Conference	NATIONAL CONFERENCE ON ENGINEERING APPLICATIONS FOR DEVELOPING SMART CITIES
Place	Dhirajlal Gandhi College of Technology,Salem.
Year	2015
Type	<b>NATIONAL</b>
Title	ENSURING THE INTEGRITY OF DATA STORAGE SECURITY USING TPA IN CLOUD COMPUTING
Place	SNS College of Engineering,Coimbatore
Year	2012.

## **WORKSHOPS AND SEMINARS ATTENDED**

Workshop / Seminar/FDTP	One Day Technical Seminar on <b>HOW TO MAKE INDUSTRY READY TEACHERS</b> on 10th jan 2017
Place	Salem
Workshop / Seminar/FDTP	Six Days Workshop on <b>PHP TRAINING</b> from 29th August to 3rd Sep 2016.
Place	Salem
Workshop / Seminar/FDTP	Two Days Faculty Development Program on <b>INTRODUCTION TO J2EE</b> conducted by ICTACT from 27th and 28th May 2016.
Place	Salem
Workshop / Seminar/FDTP	Five Days Faculty Development Program on <b>DATA SCIENCE AND BIG DATA ANALYTICS</b> conduct by ICTACT from 4th and 8th April 2016.
Place	Salem

Workshop / Seminar/FDTP Place	Two Days Faculty Training Program on <b>MOBILE APPLICATION USING ANDROID</b> on 30th and 31st October 2015. Chennai
Workshop / Seminar/FDTP Place	Workshop on <b>WEB APPLICATION DEVELOPMENT USING.NET</b> on 11th July 2015. Pollachi
Workshop / Seminar/FDTP Place	International Workshop on <b>ETHICAL HACKING IWEH'15</b> on 30th August 2015. Coimbatore
Workshop / Seminar/FDTP Place	National Level Workshop on <b>GREEN COMPUTING</b> on 30th March 2015. Salem.
Workshop / Seminar/FDTP Place	International Workshop on <b>MOBILE APPLICATION DESIGN AND DEVELOPMENT FOR ANDROID</b> on 29th June, 2015. Pallavaram, Chennai
Workshop / Seminar/FDTP Place	A Foundation Program on <b>BUILDING AN ENTERPRISE HADOOP CLUSTER USING AMAZON PUBLIC CLOUD</b> on 1st and 2nd Sep 2015. Salem
Workshop / Seminar/FDTP Place	Two Days Faculty Training Program in <b>IBM blue mix</b> on 24th and 25th Nov 2015. Hosur
Workshop / Seminar/FDTP Place	Attended the FDTP cum Workshop on <b>PEDAGOGY &amp; DEPARTMENT DEVELOPMENT FILE MAINTANANCE</b> on 23rd and 24th of Nov 2015. Salem
Workshop / Seminar/FDTP Place	Five day work shop on <b>ANDROID APPLICATION DEVELOPMENT</b> on 14th Dec to 18th Dec 2015. Salem
Workshop / Seminar/FDTP Place	Attended the Pedagogy Training on <b>"EFFECTIVE TEACHING METHODOLOGIES"</b> on 6th Nov 2014 Salem
Workshop / Seminar/FDTP Place	Golden Tech-Bridge Programme of <b>COMPUTER BASIC AND HARDWARE TROUBLE SHOOTING</b> ON 9th Aug 2014. Salem

Workshop / Seminar/FDTP Place	National level work shop on on <b>ANIMATION TOOLS</b> from 26th and 27th Sep 2014. Perundurai,Erode
Workshop / Seminar/FDTP Place	Training in IBM SEED Program on <b>RATIONAL SOFTWARE ARCHITECT</b> Salem
Workshop / Seminar/FDTP Place	National Level Workshop on <b>CLOUD COMPUTING &amp; RESEARCH TECHNIQUES on 2012.</b> Salem
Workshop / Seminar/FDTP Place	National Level Workshop on <b>TRUSTED QOS IN WIRELESS NETWORK on 2012.</b> Salem

## **PUBLICATIONS & PROCEEDINGS**

Title of the Paper	<b>DISTRIBUTED INTRUSION DETECTION BASED ON ENSEMBLE OF CLASSIFIER USING GAUSSIAN MIXTURE MODELS (GMMS)</b>
Publication/Year Index	Indian Journal of Science, 17 June 2015. Google Scholar
Title of the Paper	<b>DETECTING INTRUDERS IN WIRELESS SENSOR NETWORKS USING EXTENDED KALMAN FILTER</b>
Publication/Year Index	Indian Journal of Science, 10 June 2015. Google Scholar
Title of the Paper	<b>LOCATION BASED ANONYMOUS ROUTING PROTOCOL IN MANETS</b>
Publication/Year Index	Indian Journal of Science, July 1, 2015 Google Scholar
Title of the Paper	<b>ETHICAL HACKING IN WEB APPLICATIONS AND TECHNIQUES TO PREVENT HACKING IN WEB APPLICATIONS</b>
Proceedings ISBN	IC-HFES 2015 978-81-931933-0-3
Title of the Paper	<b>ALERTING HEART USING IOT</b>
Proceedings Paper id	NCICI'2016 CS077
Title of the Paper	<b>A SURVEY: MIDDLEWARE TECHNOLOGIES IN DISTRIBUTED SYSTEM AND CLOUD COMPUTING</b>
Proceedings Paperid	NCICI'2016 CS078

Title of the Paper **SECURITY ISSUES IN MANET ROUTING PROTOCOLS**  
Proceedings NCICI'2016  
Paperid CS062

Title of the Paper **SURVEY ON BIGDATA TECHNOLOGIES**  
Proceedings ICETECH'2016  
Paper id PID4111349-ICETECHCS257

## **MEMBERSHIP IN PROFESSIONAL BODIES**

Profesional body **Universal Association of Computer and Electronics Engineers(UACEE)**  
Member ship ID AM10100051990.

Profesional body **CSTA/ACM**  
Member ship ID 7504569

Profesional body **International Association of Engineers**  
Member ship ID 159406.

Profesional body **EMG Academic Association of Data Science and Big Data Analytics(UACEE)**  
Verification ID 16XT6LEZZM4Q9105K

## **PROPOSAL DETAILS**

Funding Agencies **INDIAN COUNCIL OF SOCIAL SCIENCE RESEARCH,DELHI**  
Title Data Analytic and Graphics Crunch : R- Language  
Event **National Level Seminar**

Funding Agencies **DEPARTMENT OF SCIENCE AND TECHNOLOGY**

Title Real time analytics using apache Cassandra  
Event **National Level Workshop**

Funding Agencies **DEFENCE RESEARCH AND DEVELOPMENT ORGANISATION**  
Title Envision the Design of Future Internet of Things & Applications : WSANs  
Event **Two days National Level Seminar**

Funding Agencies **INDIAN COUNCIL OF SOCIAL SCIENCE RESEARCH,HYDRABED**  
Title Data Analytic and Graphics Crunch : R- Language  
Event **National Level Seminar**



Funding Agencies	<b>NATIONAL CENTRE FOR WOMEN &amp; IT (NCWIT)</b>
Title	ACM-W Student Chapters
Event	<b>Create a Student Chapters in Institution</b>

## **CERTIFICATIONS**

Organization	<b>BIGDATA UNIVERSITY</b>
Certification	Big data-Introduction

Organization	<b>MICROSOFT</b>
Certification	Database Administration Fundamentals

Organization	<b>SPRINGER</b>
Certification	<ul style="list-style-type: none"><li>• Journal Author Academy Part 1: Writing your Manuscript</li><li>• Journal Author Academy Part 2: Submitting and Peer Review</li><li>• Open Access Academy</li><li>• Peer Review Academy</li><li>• Springer English Academy</li></ul>

Organization	<b>ELSIVER</b>
Certification	<ul style="list-style-type: none"><li>• How to get published: preparing your manuscript</li><li>• How to get published: structuring your article</li><li>• How to get published: using proper scientific language</li></ul>

Organization	<b>LANSA INFORMATICS,CHENNAI</b>
Certification	WHITE HAT HACKING-LEVEL 1

Organization	<b>EMC ACADEMIC ASSOCIATES</b>
Certification	EMC Academic Associate, Data Science and Big Data Analytics

## **INDUSTRIAL VISIT**

Industry	<b>STEEL AUTHORITY OF INDIA LIMITED-SALEM</b>
Area	Networking

Industry	<b>DELL TECHNOLOGIES-BANGALORE</b>
Area	Data Centre

## **EXTRA CURRICULAR ACTIVITIES**

- Represented the school in the Hockey teams and Award State level Championships.
- Good athlete at school level, awarded championships.
- Participant of Cultural Activities in College Level (Certificates) and Working Environment.
- Active participant of Sports Day Celebrations(2015-2016) and won FirstPlaces in many event as Table Tennis,Carrom,ThrowBall.
- Active Participant in Super Body Super Brain Super You Workshop,conducted by A Unit of ABINEV PHYSIOTHERAPY CLINIC on 9th April 2016.

### **PERSONAL TRAITS**

- Attitude and Confidence
- Flexibility of mind and resourcefulness.
- Emotional Stability
- Enthusiasm and Drive

### **DECLARATION**

I hereby declare that the above given particulars are true to the best of my knowledge.

Thanking You,

Date:31.1.2017

Place: Salem



Yours truly,  
(POOVARASI R)