MAHALAKSHMI K
102-B9,Thiruvalluver Nagar,
Komarapalayam,
Namakkal(DT)-638183
mahapravin2003@gmail.com
Ph:9944286457,8825400559

Enthusiastic Assistant professor well versed in innovative teaching methods and interested in Cryptography and Network Security and Compiler Design with all applications. Known for providing great support to both professors and students with approachable demeanour and excellent attention. To build a career that will help me to explore myself fully and to realize my potential and work as a key player in challenging and creative environment.

Professional Experience: **15** years

S.No	Work History	Description
1. 06 / 2009 - till date	Assistant Professor CSE department SSM College of Engineering Komarapalayam, Namakkal	• Handled technical subjects encompassed with Compiler Design*, Cryptography and Network Security,Theory of Computaion Fundamentals of computer programming, Python programming.* • Attended Coordinator's Workshop for 'Cyber Security' in IIT Bombay and conducted workshop on Cyber Security in the College. • Collaborated with colleagues on NAAC affiliation work, and worked in Criteria II, III and VI. • Worked in NBA for Faculty, Student, Result and Research Publications criteria
2. 09 / 2006 - 08/2007	Lecturer Applied Science (M.Sc(SE&IT),B.SC(CT & IT)), SSM College of Engineering	• Department coordinator for Anna University and AICTE affiliation and Inspection for Students, Faculty and Lab for the last 13 years. • Acted as Assistant HoD for 5 years. • Acted as Class Advisor and mentor for 13 years.

Education :

Year	Degree	Class
From July 2017-current	**Ph.D- Information and Communication Engineering, Anna University, Chennai** • Coursework in Cloud Computing, Security Threats, Distributed Systems Security and Data Mining Techniques in **Kongu Engineering College, Perundurai** • Continuing research work in "Secure and Dependable Storage Services in Cloud Computing*".* • I submitted my research work on a paper in an international journal (Annexure I) and plan to submit the synopsis and thesis of my research work in the month of June 2023.	Pursuing in Part time
2007-2009	**M.E- Computer Science and Engineering** *Mahendra Enginnering College, Kallipatti,* Anna University,Chennai	First Class with 7.99 (CGPA)
2004-2006	**M.Phil- Computer Science** *Bharathiyar University*	Commanded
2001-2003	**M.Sc- Computer Science** *Navarasam Arts and Science College, Arachalur* *Bharathiyar University*	First Class with 68%
1998-2001	**B.Sc- Computer Science** Navarasam Arts and Science College, Arachalur Bharathiyar University	First Class with 68%
HSC (1998)	Government Girls Higher Secondary School, Sivagiri	76 %
S.S.L.C (1996)	Government Girls Higher Secondary School, Sivagiri	82 %

Journals Published : 03

- My paper titled "**Public Auditing scheme for Integrity verification in Distributed Cloud Storage System**" has been published on 22 Dec 2021 in Scientific Programming by Hindawi, **SCI** indexed Journal.
- Published a paper entitled ' **Improving Selective CSP Framework For Cloud Service Using Multifactory Analysis Model**' **"** in International journal on engineering technology and sciences Volume 3, Issue 05, May– 2016 , ISSN (O): 2349-3976,ISSN[P]:2349-3968.
- Published a paper entitled "**Privacy-Preserving Public Auditing For Multiple Cloud Service Providers"** in International journal on engineering technology and science, Volume 3, Issue 05,May – 2016.

International Conference: 05

- Presented a paper entitled "**An Innovative Cyber Attack Detection Using Convolutional Neural Networks**" in the International Conference on 26.05.2022 at Nehru College of Engineering and Research Centre.
- Presented a paper entitled "**Secure Data Retrieval for Decentralized Disruption-Tolerant Military Networks**" on 16th April 2016 at M.P.Nachimuthu M.Jaganathan Engineering College.
- Presented a paper entitled "**Source Anonymity Based Enhanced Framework In Disruption Tolerant Military Networks**" on 4th & 5th March 2015 at Selvam College of Technology, Namakkal.
- Presented a paper entitled "**Random Space Perturbation(Rasp) Approach To Constructing Practical Range Query And K-Nearest Neighbor (KNN) Query Services In The Cloud**"on 20th March 2015 at Rathinam Technical Campus, Coimbatore.

- Presented a paper entitled "**International Conference on Women Entrepreneurship, EVE 2014**" on 22nd & 23rd August 2014 at SSM College of Engineering.

National Conference: 07

- Presented a paper entitled "**Dual Access Control for Cloud Storage and Sharing**" in the National Conference on 12.05.2022 at Nandha College of Technology.

- Presented a research paper titled "**A secure Data sharing with Sensitive Information for SecureCloud**" has been published in National Conference on advanced Computing at Sri VijayVidyalaya College of Arts and Science on 12th February 2020.

- Presented a paper entitled "**Source Anonymity Based Enhanced Framework In Disruption Tolerant Military Networks**" in the National Conference on 6th March 2015 at J.K.K. Munirajah College of Technolgy.

- Presented a paper entitled "**Random Space Perturbation(Rasp) Approach To Constructing Practical Range Query And K-Nearest Neighbor (KNN) Query Services In The Cloud**" in the National Conference on 12th March 2015 at Er. Perumal Manimekalai College of Engineering, Hosur.

- Presented a paper entitled "**Prediction Strategies Based on System CPU usage level for Cloud Computing Environment**" on 15th March 2014 at Velalar College of Engineering and technology.

- Presented a paper entitled "**An Effective method for Mulitmessage passing in the Multicasting Communication Environment**" in the National Conference on 9th April 2009 at Mahendra Engineering College.

- Presented a paper entitled "**An Effective method for Mulitmessage passing in the Multicasting Communication Environment**" on 27th February 2009 at Government College of Engineering.

Certificates

- Attended Anna University sponsored Online FDTP on "Internet Programming" at KSR College of Engineering from 21.02.2022 to 26.02.2022.
- Attended an online FDP on "Advanced Security Mechanism in Networks at Periyar Maniammai Institute of Science & Technology from 14.03.2022 to 19.03.2022
- Attended AICTE Training And Learning Academy online FDP on "Quantum Computing" at KSR College of Technology from 04.01.2021 to 08.01.2021
- Attended the Webinar on "Artificial Intelligence Machine Learning using Python" at Sengunthar College of Engineering.
- Attended AICTE Training And Learning Academy online FDP on "Cyber Security" at Mahatma Gandhi Vishwavidyalaya from 08.02.2021 to 12.02.2021
- Attended AICTE sponsored FDP on "Intelligent Object and Technologies for Building Applications on Data Science with Machine Learning Techniques using Internet of Things" at KSR college of Engineering from 08.03.2021 to 21.03.2021
- Attended the International Webinar – "Industry 5.0 & Cyber Security Preparedness" in Dhanalakshmi Srinivasan College of Engineering on 10.06.2021.
- Attended Webinar in "Statistical Analysis using R Programming" in Dhanalakshmi Srinivasan College of Engineering on 03.07.2021.
- Attended AICTE sponsored online FDP on "Cyber security and Digital Forensics(Advanced) in Gautam Buddha University from 12.10.2021 to 16.10.2021.
- Attended AICTE sponsored online FDP on "Cloud Technology" at INFLIBNET Centre from 09.11.2021 to 13.11.2021
- Participated in Five days Online Faculty Development program on "The Scope and impact of Open Source Technologies" in Velalar College of Engineering and Technology from 26.05.2020 to 30.05.2020.
- Attended the Webinar on "Artificial Intelligence & Machine Learning using Python".
- Attended the International Webinar – "Industry 5.0 & Cyber Security Preparedness" in Dhanalakshmi Srinivasan College of Engineering on 10.06.2020.
- Attended the Webinar "Deep Learning" in Builders Engineering College on 01.07.2020
- Attended Webinar in "Statistical Analysis using R Programming" in Dhanalakshmi Srinivasan College of Engineering on 03.07.2020.
- Participated the Webinar on" Web Security and Cyber Crimes" at Hindusthan College on 08.08.2020.
- Attended AICTE sponsored online FDP on "Cyber Security and Forensics" at Gautam Buddha University from 03.10.2020 to 07.10.2020

- Attended AICTE sponsored online STTP on "Challenges and Applications of Cyber Physical System" at KSR Institute for Engineering and Technology from 19.10.2020 to 24.10.2020
- Attended AICTE sponsored online FDP on "Cloud Technology" at INFLIBNET Centre from 09.11.2020 to 13.11.2020
- Participated the Online FDP on "Cyber Security Analytics and Cyber Forensics" at SAINTGITS College of Engineering from 16.11.2020 to 20.11.2020.
- Participated in "One day Workshop on R" organized by ICT at IIT Bombay held at Excel Engineering college on 09.11.2019
- Attended an international seminar on "Recent Trends in Science and Technology "at SSM Educational Institutions in association with Terra Research Inc., on 21 st February 2019.
- Attended one day workshop on "Dynamic Web Application Development using Angular JS" at SSM College of Engineering in association with Kongu Engineering College on 09.02.2018
- Attended Two Week ISTE Workshop on VLSI (CMOS) at SSM College of Engineering on 30.01.17 to 04.02.17
- Attended ISTE Sponsored Shot-Term Training Programme on "Open Source Software Development & Its Engineering Fields" in Muthayammal Engineering College on 25.01.2016 to 30.01.2016
- Attended Two-Week ISTE STTP on Environmental Studies at SSM College of Engineering on 02.06.2015 to 12.06.2015
- Attended Two Week ISTE STTP on Introduction to Design of Algorithms at SSM College of Engineering Remote Center on 27th May - 30th May, 2015
- Attended TWO - WEEK ISTE Short Term Training Programme (STTP) on Pedagogy for Effective use of ICT in Engineering Education at SSM College of Engineering Remote Center on 5th - 7th January 2015 and 19th - 21st January 2015.
- Attended Two Week ISTE Coordinator's Workshop On Cyber Security in IIT Bombay on May 17th –May 21st 2014
- Attended TWO - WEEK ISTE workshop on Computer Programming in SSM College of Engineering Remote Center on May 20th to15 th June 2014 and 16th -21st June 2014
- Attended TWO - WEEK ISTE workshop on Signals and Systems in SSM College of Engineering, Remote Center at 2nd to 15th Jan 2014.
- Attended Two – day ISTE workshop on Aakash for Education on IIT Bombay in SSM College of Engineering, Remote Center on 10th and 11th November 2012
- Attended Workshop on High Impact Teaching Skills in SSM College of Engineering on 28th Feb & 1st March 2011
- Attended Workshop on Misssion 10 X in SSM College of Engineering on 28th Feb 2011 to 4th March 2011
- Attended AICTE sponsored Seminar on Machine Learning and Data Mining in Pattern Recognition at Kongu Engineering College on 16th April 2010 and 17 th April 2010
- Attended Workshop on Advanced Developer Technologies by Microsoft at Erode Sengunthar Engineering College on 31st March 2009
- Presenting paper " Effective method for Mulitmessage passing in the Multicasting Communication Environment" in Saveetha Engineering College at 21st & 22nd August 2008
- Attended a National Seminar on Cryptography and Cryptanalysis in Vivekanandha College of Engineering For Women on 25th & 26th September 2008

Seminars / Workshops Organized

- Organized Two Week ISTE workshop as Workshop Coordinator on Cyber Security by IIT Bombay at SSM College of Engineering from 10th July to 20th July 2014
- Contributed as a teaching assistant in Two Week ISTE Workshop On Environmental Studies at SSM College of Engineering from 2nd to 12th June 2015

Membership in Professional Bodies

• Life Membership in Indian Society for Technical Education (ISTE)

Academic Projects

- **"An Efficient Method for Multimessage Passing in the Multicasting Communication Environment"** in M.E
- "**Cryptographic Techniques for Data Transfer (Information Security Management)**" in M.Phil.
- " **LAN Chat**" using VB & Oracle in M.Sc
- "**Inventory Control and Payroll** "using Visual Basic & Oracle in B.Sc

Research Area

- Cloud Security
- Cryptography and Network Security

Technical Skills

- Programming Languages : JAVA, C, C++, VB, Visual C++,HTML 5.0,Python,Data Science Packages, Prolog.
- Operating Systems : MS DOS, Windows All OS
- Database(s) & Tools : SQL Server, Oracle, MySQL, Network Tools and Security Tools

Subjects Handled

- Data Science
- Database Management systems
- Software Design
- Operating Systems
- Visual Programming
- Mobile Computing
- Object Oriented Analysis and Design
- User Interface Design
- Cryptography and Network Security
- Internet Programming
- Internet & Java
- Data Structures & OOPs
- Design & Analysis of Algorithms
- Software Engineering
- Data Structures
- Computer Graphics
- Information Security
- Compiler Design
- Software Quality Assurance
- Theory of Computation
- Grid and Cloud Computing
- Software Project Management
- Software Testing
- Web Technology
- Cloud Computing
- Human Computer Interaction
- Distributed systems
- Programming in C
- Problem Solving and Python Programming

Prizes, Medals and other Honors Received

- Secure 100% result in Object Oriented Analysis and Design @ SSMCE
- Secure 100% result in Principles of Management @ SSMCE
- Secure 100% result in Internet Programming @ SSMCE

Key Skills

- Excellent explanation skills.
- Ability to learn new technology
- Can teach the students as per their level.
- Good communication skills.
- Awareness about the various teaching techniques and ability to adapt to new environment

Positions Held

- Department Anna University Affiliation and AICTE inspection Coordinator.
- Department Exam cell Coordinator
- Class Advisor and Mentor
- Department NACC Criteria II, III VI Coordinator.
- Department Disciplinary Committee

Other Activities

- Coordinator : Symposium, Workshops & Seminars
- Organized various National Level symposium for students
- Organized Various Subject and Practical Oriented Short Term Courses

Project Work and Guided

- Guided UG & PG Students in Networks, Cloud Computing and Network Security etc.,

Area of interests

REFERENCE : (My Ph.D Guide)

Dr. K.Kousalya,
Professor,
Department of Computer Science and Engineering,
Kongu Engineering College, Perundurai.
Mobile : 9942214795

PERSONAL PROFILE

SPOUSE NAME	: M.PravinKumar
DATE OF BIRTH	: 20/05/1981
AGE	**:** 42
SEX	: Female
MARITAL STATUS	**:** Married
NATIONALITY	: Indian -Hindu
LANGUAGES KNOWN	: English, Tamil
PERMANENT ADDRESS	: 102-B9,Thiruvalluver Nagar, Komarapalayam, Namakkal (DT)-638183

DECLARATION

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

Place: Komarapalayam   Yours faithfully,

Date:

(K.MAHALAKSHMI)