RESUME

Dr A NARESH KUMAR

nareshkumar5884@ieee.org

Mobile: 9841653088

Objective:

To obtain a responsible, challenging, and awarding position in an industry with an established track record where my technical skills and abilities can be utilized.

Educational Qualifications:

Ph.D. [C.S.E] – from Anna University as part time in January 2025.

M.E. [C.S.E] - from Sri Muthukumaran Institute of Technology, Anna University with an aggregate of 75% in June 2008.

M.B.A[Systems] – from Madras University [Part Time] with an aggregate of 66% in October 2007.

B.E. [C.S.E] - from Santhosa Engineering College, Anna University with an aggregate of 70% in April 2005.

D.E.C.E. – from Sri Nallalaghu Polytechnic with an aggregate of 86% with honors in April 2002.

Working Experience:

- **Sri Sai Ram Engineering College, Anna University, Chennai.**

I am working as an Associate Professor in this Institute from the Month of July 2022 till present.

- **Anurag Engineering College, JNTU(Hyd), Kodad, Telangana.**

I worked as an Assistant Professor in this Institute from the month of June 2017 till July 2022.

- **Mohamed Sathak A.J. College of Engineering, Anna University, Chennai.**

I worked as an Assistant Professor & Head of Information Technology Department from the month of June 2016 till May 2017.

- **Agni College of Technology, Anna University, Chennai.**

I worked as an Assistant Professor in this Institute from the month of June 2013 till May 2016.

- **Indira Institute of Engineering & Technology, Anna University, Chennai.**

I worked as an Assistant professor in this Institute from the month of May 2010 to May 2013.

- **St.Peter's Engineering College, Anna University, Chennai.**

I worked as a lecturer in this Institute from the month of September 2008 to April 2010.

Certification:

CISCO : Certified Junior Cybersecurity Analyst career Path, Cybersecurity Essentials 2025.

Certified CCNAv7: Introduction to Networks & Switching, Routing,

and Wireless Essentials, 2023.

ORACLE : Certified for Developing Cloud Native Applications on OCI, 2022.

ORACLE : Certified Artificial Intelligence in Machine Learning with Java, 2021.

ICTACT : Certified .net training program, 2011.

SSI : Certified .net training program, 2005.

Technical Trainer:

Azentio Software Pvt Ltd, Chennai - Working as a Software Trainer - part time consultant for

Advanced SQL & PL/SQL – (Sequence, Synonym,

RefCursor, JSON, Plan Query Tuning, UTL File, PL/SQL

Profiler, Indexed Organize Table) from July 2022 till present.

8 Queens Software Solutions, Chennai - Working as a Network Architect – part time consultant for

CISCO Modules – Networking, Cloud, and Cybersecurity

from May 2023 till present.

Technical Skills:

Microsoft Technologies : ASP.NET 10.1, ASP.NET8.0, VB.NET, C#.NET, ADO.NET,

XML Related Technologies: XML, XSL.

Programming Languages : C, C++, C#, Java and Python.

Application Servers : IIS, Apache.

RDBMS : ORACLE 11g/12c.

Operating System : Windows 10 / 11, UNIX, Linux, Fedora.

Design Tools : UML (Rational Rose)

Membership:
- **Senior Member of Institute of Electrical and Electronics Engineers (IEEE).**
- **Associate Member (UACEE) of the IRED Institute of Research Engineers and Doctors.**
- **Member of IAENG International Association of Engineers.**
- **Member of the Society of Digital Information and Wireless Communications (SDIWC)**
- **Member of Society for Engineering Education Enrichment (SEEE)**
- **Member of Science and Engineering Institute (SCIEI)**
- **Member of Computer Society of India.**

Research Link:

- **https://www.scopus.com/authid/detail.uri?authorId=56872877400&origin=recordPage**
- **https://vidwan.inflibnet.ac.in/profile/284156**
- **https://sairam.irins.org/profile/284156**
- **https://scholar.google.com/citations?user=SVbhwncAAAAJ&hl=en**
- **https://www.webofscience.com/wos/author/record/C-3774-2015**
- **https://orcid.org/0000-0002-7733-8654**
- **https://openreview.net/profile?id=~Naresh_Kumar_A1**

PhD Thesis Title:

- "STUDIES ON RECOGNITION OF ANCIENT SOUTH INDIAN LANGUAGE, CHARACTERS, AND SYMBOLS FROM INSCRIPTION IMAGES USING OPTIMIZATION TECHNIQUES"

Consultancy Project:

- **Towards Technology -** Consultant Project on "Application for Ancient Tamil Character Recognition Using A - Bilstm - CNN Model" for the amount Rs. 30,000/- during the month of April 2025.

- **8 Queens Software Solutions Pvt Ltd –** Consultant Project on "PrepareNext (Job Portal) on Web and Mobile Application" for the amount Rs. 17,000/- during the month of December 2022.

Books:

- **"Paddy Disease Classification and Fertilizer Recommendation Using Deep Learning" –** Springer Nature Singapore 2025, Responsible Artificial Intelligence, Lecture Notes in Networks and Systems 1504. **(SCOPUS)**

- **"Machine Learning Applications in Software Engineering"** – RK Publications, ISBN of the book 978-81-967266-0-7, **Dec 2023**.

- **"IOT Analytics for Business Intelligence"** - Edurights Global Research Publications, ISBN of the book 978-81-956780-1-3, **July 2022**.

Patent:

- **"Trident an Underwater Remotely Operated Vehicle"** published by the month October 2024.

- **"Homeostatic Flying Hovercraft: Efficient and Durable Solutions for Military And Rescue Mission"** published by the month August 2024.

- **"Advanced Traffic Management System for Emergency Vehicle Prioritization Using Gps And Google Maps AP"** published by the month August 2024.

- **"Enhancing street light efficiency through waste heat conversion using the Seeback effect and Mono crystalline solar panel"** published by the month April 2024.

- **"Monitoring E – Health Care System Using AI Techniques & Methods"** published by the month December 2022.

- **"Headset-Wearable and Modular Device for Hybrid Brain-Computer Interface"** published by the month April 2022.

- **"Method and Device for Recognition of Ancient Language, Symbols and Characters Including Tamil from Images"** published by the month September 2016.

Achievements:

- **Dr.Kalam Best Mentor Award** 2024 for the project **"Trident an Underwater Remotely Operated Vehicle"**.

- **International Hackathon –** Awarded Cash Prize of Rs 30,000/- for **Best Mentorship** of South East Asia Tech Hackathon held at Universiti Teknologi Petronas, Malaysia on 03.11.2023 to 05.11.2023

Journals:

- Naresh Kumar.A, G Geetha, "RECOGNIZING ANCIENT SOUTH INDIAN LANGUAGE USING OPPOSITION BASED GREY WOLF OPTIMIZATION" - **Intelligent Automation and Soft Computing**, Volume 35, Issue 03, August 2022, ISSN NO: 1079-8587. Impact factor: 3.401, DOI: 10.32604/iasc.2023.028349 (Pg : No 2619 – 2637) **(SCI & SCOPUS)**

- Naresh Kumar.A, N Jagadish Kumar, D Dhinakaran, "Swarm Intelligence with a Chaotic Leader and a Salp algorithm: HDFS optimization for reduced latency and enhanced availability" **Concurrency and Computation: Practice and Experience** 36 (17), e8127. 2024 **(SCI & SCOPUS)**

- Naresh Kumar.A, G Geetha, "INTERCONNECTED IoT FRAMEWORK FOR ENVIRONMENTAL SUSTAINABILITY AND ANTI-POACHING INITIATIVES", **Journal of Environmental Protection and Ecology**, Volume 25, Issue 2, 2024, Pg 517-527. https://scibulcom.net/en/article/1dpfDs9j5a9VxZIobAeU **(SCOPUS)**

- A Naresh kumar, R Yavanalakshmi, S Pooja, J Malathi, "Lock Mart-Smart Locker System", **Asian Journal For Convergence In Technology (AJCT)**, ISSN-2350-1146 9 (2), 9-12

- Naresh Kumar.A, SK Acharya, R Muralidharan, John E P, S Naganandini, Vikas Pathak, "Impact on HRM to Develop Relationship between Leadership Effectiveness and Organizational Performance" - **Journal of Informatics Education and Research**, Volume 3, Issue 2(2023), ISSN: 1526-4726. DOI: https://doi.org/10.52783/jier.v3i2.289 (Pg : No 1630 – 1637)

- Naresh Kumar.A, "PREDICTION OF CRUDE OIL PRICE WITH THE USAGE OF ENSEMBLE MACHINE LEARNING" - **ADALYA JOURNAL**, Volume 8, Issue 10, October 2019, ISSN NO: 1301-2746. Impact factor: 5.3, DOI:16.10089.AJ.2019.V8I10.285311.6318 (Pg: No 440-445)

- Naresh Kumar.A, "CHARACTER RECOGNITION OF ANCIENT SOUTH INDIAN LANGUAGE

WITH CONVERSION OF MODERN LANGUAGE AND TRANSLATION" - **A JOURNAL OF COMPOSITION THEORY**, Volume XII Issue X, OCTOBER 2019, ISSN: 0731-6755. Impactfactor: 5.7 (Pg: No 94 – 107)

- Naresh Kumar.A, "RANKING FRAUD DETECTION FOR MOBILE APPLICATIONS" - **CIKITUSI JOURNAL FOR MULTIDISCIPLINARY RESEARCH**, Volume 6, Issue 5, May 2019, ISSN NO:0975-6876. Impact factor: 6.1 (Pg: No 453 – 456)

- Naresh Kumar.A, "PRIVACY PRESERVING AND CONTINUOUS LBS USING GRID SYSTEM" **International Journal of Advanced in Management, Technology and Engineering Sciences** Volume 8, Issue III, March 2018, ISSN NO: 2249-7455. Impact factor: 6.3 (Pg: NO 1449 – 1461)

- Naresh Kumar.A, "IMAGE RECOGNITION THEORY FOR NATURAL LANGUAGE USING IMAGES AND TEXT" - **International Journal of Innovations & Advancement in Computer Science** Volume 7, Issue 1, January 2018, ISSN 2347 – 8616. (Pg:No 109 – 115)

- Naresh Kumar.A, "AN AUTOMATED APPROACH FOR IMPROVING MPTCP USING FEEDBACK PATH FAILURE" - **International Journal of Advanced Research in Computer Science Engineering and Information Technology** Volume: 6, Issue: 3, Year: 27 March 2017, ISSN: 2321 – 3337 Impact Factor: 1.521 (Pg : No 1293 – 1302)

- Naresh Kumar.A, "MODEL AND ANALYSIS OF JOINT MODEL IN DELAY NETWORK" - **International Journal of Advanced Research in Computer Science Engineering and Information Technology** Volume: 4, Issue: 3,Special Issue: 1 ,Mar,2016 ,ISSN_NO: 2321-3337 Impact Factor: 1.521 (Pg : No 508 – 511)

- Naresh Kumar.A, "LOCATION AND USER ACTIVITY PREFERENCE BASED RECOMMENDATION SYSTEM" - **International Journal of Advanced Research in Computer Science Engineering and Information Technology** Volume: 4, Issue: 3,Special Issue: 1 ,Mar,2016 ,ISSN_NO: 2321-3337 Impact Factor: 1.521 (Pg : No – 593 – 598)

- Naresh Kumar.A, "LINEAR DISCRIMINANT ANALYSIS FOR FACE DETECTION TO OVERCOME SEGREGATE INVESTIGATION" - **International Journal of Advanced Research in Computer Science Engineering and Information Technology** Volume: 4, Issue: 3,Special Issue: 1 ,Mar,2016 ,ISSN_NO: 2321-3337 Impact Factor: 1.521 (Pg : No 512 – 518)

- Naresh Kumar.A, "BUS QUERYING SYSTEM TO MINIMISE WAITING TIME" – **International Journal of Applied Engineering Research**, Volume 10 No 13, June 2015. SJR – 0.628 ISSN: 0973 – 4562 Impact Score: 8.10 (Pg : No 33868 – 33872)

- Naresh Kumar.A, "VEHICLE TRACKING USING GOT SYSTEM IN VANET" in "**International Journal of Science and Innovative Engineering & Technology**" Volume 02 Issue 01 – May 2015. ISBN: 978 – 81 – 904760 – 7 – 2

- Naresh Kumar.A, "PERFORM THE ANALYSIS OF PASSIVE ATTACK BASED ON STATISTICAL CHARACTERISTICS ON MANET'S in "**International Journal of Emerging Technology in Computer Science and Electronics**, Volume 13 Issue 01 – March 2015. ISSN: 0976 – 1353 Impact Factor: 4.780 (Pg : No

232 – 236)

- Naresh Kumar.A, "A NOVEL APPROACH FOR SEGMENTING COMPUTER TOMOGRAPHY LUNG IMAGES USING ECHO STATE NEURAL NETWORKS" - **Journal of Theoretical and Applied Information Technology** Volume: 68 No 3 October 2014. ISSN: 1992 – 8645 Impact Factor: 5.867 (Pg : No 504 – 513) **(SCOPUS)**

- Naresh Kumar.A, "A SECURE AND EFFICIENT QUERY PROCESSING SCHEME FOR TWO TIRED SENSOR NETWORKS" in "**International Journal of Emerging Technology & Research**" Volume 1, Issue 4, Mar - April 2014. ISSN: 2347 – 5900 Impact Factor: 0.997 (Pg : No 115 – 119)

- Naresh Kumar.A, "AN INVESTIGATION ABOUT MALWARE DETECTION USING FEATURE FILTERING" IN "**INTERNATIONAL JOURNAL OF EMERGING TECHNOLOGY & RESEARCH**" Volume 1, Issue 1, Nov- Dec 2013. ISSN: 2347 – 5900 Impact Factor: 0.997 (Pg : No 231 – 234)

Conferences:

- Naresh Kumar.A**, "Early Detection and Personalized Intervention in Mental Health",** IEEE, 2025, International Conference on Computing and Communication Technologies (ICCCT) | ©2025 IEEE | **DOI: 10.1109/ICCCT63501.2025.11019669** **(SCOPUS)**

- Naresh Kumar.A, **"Recognition of Ancient Tamil Brahmi Symbols and Notations Using ELM-ISMO Algorithm",** IEEE, 2024, International Conference on Social and Sustainable Innovations in Technology and Engineering (SASI-ITE) | 979-8-3503-6079-0/24/$31.00 ©2024 IEEE | **DOI: 10.1109/SASI-ITE58663.2024.00053 (WoS Core & SCOPUS)**

- Naresh Kumar.A, **"CSO – VGG-19: Prediction of Cervical Cancer Using Cuckoo Search Based Deep VGG-19"** in 2023 5th International Conference on Inventive Research in Computing Applications (ICIRCA) | 979-8-3503-2142-5/23/$31.00 ©2023 IEEE | DOI: **10.1109/ICIRCA57980.2023.10220790** **(SCOPUS)**

- Naresh Kumar.A, **"A Lightweight (Recurrent Neural Network) RNN Architecture for IoT Based Baby Monitoring System to Provide Real Time Alerts and Notification to Parents or Care Takers"**, in 2023 Intelligent Computing and Control for Engineering and Business Systems (ICCEBS) 2023 IEEE | DOI: **(SCOPUS)**

- Naresh Kumar.A, **"A Hybrid Eagles Web swarm optimization EWSO technique for effective cloud resourse management"**, in 2023 12th International Conference on Advanced Computing (ICoAC) | 979-8-3503-1821-0/23/$31.00 ©2023 IEEE | DOI: **10.1109/ICoAC59537.2023.10249655** **(SCOPUS)**

Editorial Board Member:

- Scienxt Journal of Computer Communication & Network Society (**https://scienxt.com/sjccns-editorial-board/**)

Roles, Responsibilities and Activities:

➢ **As Research Scholar**

  ✓ Registered **PATENT** for one of my Research Concept.

  ✓ Submitted one of my research concept proposals in **SEEE**.

  ✓ Attended one day workshop on **"Commercialization of Intellectual Property and Quality Assurance in higher Education"** at B.S.Abdur Rahman Crescent University.

  ✓ Attended one day workshop on **"Tamil Computing"** at Anna University.

  ✓ Attended two days workshop titled **"Image Processing and its Applications"** at Agni College of Technology.

  ✓ Developing **"Tesser Molto App"** for my research concept.

➢ **As Assistant Professor and Associate Professor**

  ✓ Acted as a NBA Coordinator for one year.

  ✓ Acted as a NAAC Coordinator for Criteria 2 & 3.

  ✓ Acted as a Class In charge for several semesters.

  ✓ I Produced 100% result in 3 subjects in the same academic year and achieved the Best Performance Award for the same.

  ✓ Acted as a workshop coordinator for Computer Networking where IIT Bombay was a funding agency.

  ✓ Acted as a workshop coordinator for Big Data Analysis.

  ✓ Acted as a convener for National Conference for Advanced Computational Technology.

➢ **As HOD**

  ✓ Submitted proposals for funding agencies like **SERB, AICTE, SEEE and ISRO**.

  ✓ Inaugurated Project Club and Department Library.

  ✓ Published all final year students project in International Journals.

  ✓ Acted as a convener for publishing **"NEWSLETTER"**

  ✓ Signed **MOU** with **TCS ION** and **Dream plus Technologies**.

  ✓ I have been a coordinator for initiating **Campus Management Software** for the Institution.

  ✓ I have given **"Motivational Speech" to** my department students.

  ✓ Guided my staff members to publish their research paper in Annexure I & II.

  ✓ Apart from the syllabus I have taught my students about .Net Programming as a value added course.

PROFESSIONAL EXPERIENCE:
1. Online Tax Information System
Citizens will receive bills form respective departments and they will pay through online services like e-seva. In proposed system users can directly know there tax information and even calculate yearly

monthly tax information through online web application. Using this application there is no chances of losing data any old record can be viewed with in few seconds. Citizens should register with this application by provided accurate information for viewing tax information of different departments. This application can be further improved by adding features like online payment, intranet communication inside departments, customer care services.

Roles and Responsibilities

➢　　　　Analyzed and developed the change requests from the clients.

➢　　　　Added site navigation to the web application.

➢　　　　Created Error handling pages.

➢　　　　Involved in testing and technical documentation.

Technologies: ASP.NET, C#

Project Details:

1. Project　　　　　　　　: Detection of Routing Misbehavior and to Mitigate
　　　　　　　　　　　　　　　 TheirAdverse Effect in MANETs.
　　Position　　　　　　　: Developer
　　Team Size　　　　　　 : 1
　　Technologies involved　: .NET, Asp & Tomcat 5.0
　　Platform　　　　　　　: Window XP.

System Overview:
A Mobile Ad Hoc Networks (MANETs) is a collection of mobile nodes (hosts) which communicate with each other via wireless links either directly or relying on other nodes as routers. The main idea of the 2ACK scheme is to send two-hop acknowledgment packets in the opposite direction of the routing path. In order to reduce additional routing overhead, only a fraction of the received data packets are acknowledged in the 2ACK scheme.

Role and Responsibilities:
➢ Involved in implementation of system design.

➢ Created Error handling pages.

Area of Interest:
➢ Natural Language Processing.

➢ Pattern Recognition.

➢ Object Oriented Programming.

Point for Self:
➢ Hard Working.

➢ Ready to Face Challenges.

Personal Details:
Father's Name　　　　　: Mr.K.Athiappan.

Mother's Name	: Mrs.A.Prema.
Spouse Name	: Mrs.N.Vijayalakshmi.
Daughter Name	: Baby. N V Porkuzhali.
Son Name	: Master. N V Avishkar.
Date of Birth	: 5th August 1984.
Marital Status	: Married.
Languages Known	: English, Tamil and Telugu.
Permanent Address	: 3D\4, Palli Arasu Street, Annanagar East, Chennai - 600102.

Declaration:

  I solemnly declare that the above said information is true to the best of my Knowledge and belief. I am willing to produce original certificates on demand at any stage for verification.

Date:

Place: Chennai   **(A.NARESH KUMAR)**