SARANYA.S

No.1/210J,OmSakthiNagar,

Cinnaveeranpatty,Udumalpet

MobileNo:9443620544, 6379177372 saranyashana21@gmail.com

OBJECTIVE

To secure a challenging academic position where I can effectively utilize my teaching, research, and mentoring skills for the advancement of the institution, while achieving personal satisfaction and contributing meaningfully to the organization's goals.

ACADEMIC INFO

- Currently pursuing **Ph.D. in Computer Science** at **NGM College, Pollachi** (December 2024 – Present).
- Completed **M.Phil. in Computer Science** at **Vidyasagar College of Arts and Science, Udumalpet (affiliated to Bharathiar University)** in 2014 with **Commendation**.
- Completed **Master of Computer Applications (MCA)** at **Vidyasagar College of Arts and Science, Udumalpet** in 2011 with **84%**.
- Completed **Bachelor of Computer Applications (BCA)** at **Vidyasagar College of Arts and Science, Udumalpet** in 2008 with **71%**.
- Completed **Higher Secondary Certificate (HSC)** at **Sri Visalakshi Girls Higher Secondary School, Udumalpet** in 2005 with **66%**.
- Completed **Secondary School Leaving Certificate (SSLC)** at **Sri Kannika Parameshwari Higher Secondary School, Udumalpet** in 2003 with **86%**.

WORK EXPERIENCE

Nallamuthu Gounder Mahalingam College, Pollachi   AUG 2024 to till date
Designation: Assistant Professor (Department of CS with AI & ML)

Sri GVG Visalakshi College for Women, Udumalpet   JUNE 2023 to JULY 2024

Designation: Assistant Professor

Vidyasagar College of Arts and Science, Udumalpet.   JAN 2015 to DEC 2021

Designation : Assistant Professor

NestSoftware Solutions, Coimbatore.   MAY 2011 to JAN 2013

Designation: Technical Trainer (DOTNET & Java/J2EE)

SUBJECTS TO BE HANDLED

- ➢ Python, RDBMS, C, C++, JAVA, C#, UNIX, Linux, DOTNET
- ➢ Artificial Intelligence, Data Visualization, Introduction to Machine Learning,
- ➢ IoT (Internet of Things), Natural Language Processing(NLP),
- ➢ Cyber Security, Social & Ethical Issues in AI,
- ➢ Data Mining, Principles of Compiler Design, System Software, Computer Graphics
- ➢ Operating System, Software Testing, Software Engineering, Data Structure
- ➢ RDBMS, Visual Studio(.Net), Visual Basic, Data Structures, Information Technology
- ➢ Computer Graphics, Computer Networks, Information Security.

TECHNICAL SKILL

Languages	:	C, C++, Java, Python,
Operating System	:	Windows 10, UNIX, Android
RDBMS	:	Oracle, MS SQL Server, MySQL
IDE	:	MS Visual Studio, IDLE, NETBEANS, ECLIPSE, R Studio
Web Tools	:	HTML, DHTML, CSS, and XML
Frameworks	:	Angular JS
Web Technologies	:	VBScript, JavaScript
Web Servers	:	Java Web Server, Node.js
Open source tools	:	Python, Linux, Android

ONLINE COURSES

Completed multiple online courses including Artificial Intelligences, Introduction to Machine Learning, Prompt Engineering, Java Programming, Data Science Foundation, and Python for Everybody via Infosys Springboard, Coursera, Great Learning.

JOURNAL PUBLICATIONS

- A Research article titled, "**Smart Whitefly Management for Coconut Trees: IoT and Blynk-Enabled Monitoring and Control**" published in UGC Care list Journal Named, "Journal IAPQR Transactions" with ISSN 0970-0102 Vol. 50, Issue 01, No.06 for the Month of July 2025.

- A Research article titled, "**Smart Coconut Farming Using IoT And Blynk: A Real-Time Monitoring And Irrigation Solution**" published in UGC Care list Journal Named "Journal The Maharaja Sayajirao" University of Baroda with ISSN: 0025 - 0422 Vol No. 59 No. 4 for the month of July 2025.

- A Research article titled, **"IoT-Driven Arduino Nodemcu Irrigation Monitoring and Control System For Coconut Farming With Blynk"**, published in UGC Care list Journal Named "Journal of Nonlinear Analysis And Optimization" with ISSN: 1906-9685, Vol. 16, Issue. 1, No.3: 2025.

- A Research article titled, **"IoT-Based Weather Monitoring And Forecasting System For Smart Coconut Farming Using Blynk Application"**, published in UGC Care list Journal Named "Industrial Engineering Journal" with ISSN: 0970-2555, Volume: 54, Issue 8, No.2, August: 2025.

- A Research article titled, **"IoT-Based Coconut Tree Monitoring And Alert System For Precision Agriculture"**, published in UGC Care list Journal Named "Journal of Madhya Bharti" with ISSN: 0974-0066, Vol. 86, No. 2, July-December: 2025.

- A Research article titled, "IIoT-**Based Smart Irrigation System for Efficient Coconut Tree Farming Using AskSensor and Blynk Platforms**" in the Scopus Care List Journal Named "International Journal of Computer Applications (IJCA)".

CONFERENCE PROCEEDINGS

- Present paper on **"Intelligent Weather Forecasting for Solar Energy Optimization using Machine Learning Techniques"** in the International Conference on Emerging Trends in Computation & Artificial Intelligence (ICETCS – 2K25), Jointly organized by PG & Research Department of Computer Science, Providence College(Autonomous), Coonoor, The Nilgiris on 8'th October 2025.

- Present paper on **"Real-Time IoT Monitoring in Coconut Farms Using Blynk with Weather Insights"** in the National Conference on Latest Innovations in Science and Technology(LIST – 2k25), Jointly organized by PG & Research Department of Computer Science and Department of Data Science, Providence College(Autonomous), Coonoor, The Nilgiris on 23'rd August 2025.

- Present paper on **"IoT-Enabled Affordable Smart Kit for Efficient Coconut Farm Management Using Blynk"** in an International Conference on Recent Trends and Innovations in Multidisciplinary Research [Rtimr-2o25], PG & Research Department of Biochemistry, Sacred Heart College (Autonomous), Tirupattur on 21'st August 2025. (ISBN Number: 978-93-7013-154-5).

- Present paper on "**IIoT-Based Smart Irrigation System for Efficient Coconut Tree Farming Using AskSensor and Blynk Platforms**" in a one day International Conference on DRISHTI 2025 – An Era in Management & Technology organized by Vivekananda College of Engineering and Technology, Puttur 9th August, 2025.

- Presented a paper on "**Harnessing Industry 5.0 in Smart Agriculture: IoT-based Coconut Farming with Blynk**" in a one day International Conference on Globalisation and SDGs: Opportunities and Challenges in Industry 5.0 organized by the School of Management, Sree Saraswathi Thyagaraja College, Pollachi on 12th April, 2025. (ISBN Number: 978-93-343-1829-6).

- Presented a paper on "**Smart Farming for Coconut Cultivation: A Hybrid Approach Using IoT, Blynk, and Machine Learning**" in a One day International Conference on Recent Trends in Computer Science, Technology, Data Science and Applications organized by the Department of Computer Science, Computer Applications, Information Technology, Data Science & Mathematics (ICRTCTDA-2025), Vidyasagar College of Arts and Science, Udumalpet on 07th February, 2025. (ISBN Number: 978-81-983678-7-7).

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- Presented a paper on "**Precision Agriculture for Coconut Farming: Harnessing Technology to Overcome Modern Challenges**" in a two days International Conference on Diversity in Computing Excellence organized by the Department of Computer Applications, Bharathiar University, Coimbatore on 30th and 31st January, 2025. (ISBN Number: 978-81-986413-4-2).

- Presented a paper on **"Emerging Technologies and Applications"** in a National Level Conference on **Emerging Trends in IT** at Navarasam Arts & Science College for Women,Erode.

- Presented a paper on **"Emerging Trends in high Performance Computing and Applications"** in a National Level Conference on **An Overview of Data Mining** at SreeSaraswathiThyagaraja College, Pollachi.

- Presented a paper on **"Advanced Computing Technologies"** in a National Conference at Vidyasagar College of Arts & Science, Udumalpet.

- Presented a paper on **"Mining Intelligence and Knowledge Exploration"** in a National Level Conference on **Efficient Visual Query based video and Historic Sequence extraction Using Naïve Bayesian Classifier** at K.S.R. College of Engineering, Tiruchengode.

FDP ATTENEDED

- Attended an Five Days offline Faculty Development Programme on **"Blockchain and Digital Transformation"** organized by Digital South and hosted by Nirmala College for Women, Coimbatore from 14'th November to 20'th November 2025.

- Attended an One Week online Faculty Development Programme on **"Emerging Trends in Computing"** organized by Department of Computer Engineering, Amrutvahini College of Engineering, Sangamner in association with IEEE Computer Society (SBC63271C) from 8'th September to 13'th September 2025.

- Attended an Five days online Faculty Development Programme on **"GEN AI – RAG (Retrieval-Augmented Generation"** organized by Chaitanya Bharathi Institute of Technology, Hyderabad, Telangana, MVSR Engineering College (Autonomous), Nadergul, Hyderabad in Collaboration with ExcelR Edtech Pvt. Ltd. from 8'th September to 12'th September 2025.

- Attended an online Six Days Faculty Development Programme on **"Deep Learning, Gen AI, and their applications in Agriculture"** organized by Department of Computer Science and Engineering, Tezpur University in Association with Pantech e-Learning from 11'th August to 18'th August 2025.

- Attended an online Five Days Faculty Development Programme on **"Autonomous Vehicles: AI, ML & DL Fundamentals"** organized by STEP-NIT-Karnataka in association with PANTECH e-Learning from 28th July to 01'st August, 2025.

- Attended an online Six Days Faculty Development Programme on "**Artificial Intelligence's Impact on Transforming Software, Robotics, Electrical, Electronics & Mechanical fields"** organized by Dhaanish Ahmed College of Engineering, Chennai from 21'st to 26'th July 2025.

- Attended an online Five Days Faculty Development Programme on "**Generative AI with LLM**" organized by STEP-NIT-Karnataka in association with PANTECH e-Learning from 7th to 11th July, 2025.

- Attended the Five Days Virtual Faculty Development Programme on "**Next-Gen Cybersecurity: Integrating Security, Forensics, and Legal Intelligence**" organized by the Amity Institute of Information Technology (AIIT), Amity University Bangaluru, Karnataka from 23rd to 27th June 2025.

- Participated in Four Days Faculty Development Programme on "**Entrepreneurship and Innovation in Higher Education Institutions**" organized by the Patrician College of Arts and Science, Chennai from 18th to 21st February 2025.

- Participated in Six Days Faculty Development Programme on **"Predictive Analytics and Optimization for Industrial Applications"** jointly organized by Finessefleet Foundation and Sanjivani University, Bangalore from 3rd to 8'th February 2025.

- 7.2.2025 – Mrs. S.Saranya given session about FDP- **Introductory session for Empowering Educators with Infosys Springboard: A Pathway to Digital Excellence**.

- Participated in Three days Faculty Development Program on "**Data Analytics**" organized by **Infosys BPM Ltd**, at Chennai from 22'nd January to 24'th January 20205.

- Participated in One week online National Level Faculty Development Program on **"Creating Multimedia Content for Blended and Hybrid Learning Model"** organized by IEI and IETE Student chapter and IQAC of SKN College of Engineering, Pandharpur, Maharashtra in collaboration with Nucleus of Learning and Development from 25 to 30 November 2024.

- Participated in Five days Faculty Development Program on **"Yoga for Emotional Stability"** organized by Department of Human Excellence, Nallamuthu Gounder Mahalingam College, Pollachi from 04.11.2024 to 08.11.2024.

- Participated in One week online National Level Faculty Development Program on **"Unleashing the Power of AI Tools for Teachers"** organized by Sanatan Dharma College, Ambala Cantt, in collaboration with Nucleus of Learning and Development from 30 September to 5 October 2024.

- Participated in Eight days Faculty Development Program on **"Yoga for Emotional Stability"** organized by Department of Human Excellence, Nallamuthu Gounder Mahalingam College, Pollachi from 25.07.2024 to 02.08.2024.

- Participated in Two days Faculty Development Program on **"Artificial Intelligence and Deep Learning for Computer Vision Applications"** organized by Dr.MCET, Pollachi on 13.05.2024 and 14.05.2024.

- Attended Two days FDP on **"Artificial Intelligence and Deep Learning for Computer Vision Applications"** organized by Dr.MCET, Pollachi on 13.05.2024 and 14.05.2024.

- Attended in Seven days National Level FDP on **"PYTHON"** organized by Star International Foundation for Research and Education from 19.03.2024 to 25.03.2024.

- AttendedEight days Faculty Development Programme on **"Quality Improvement of Technical Education and Development of Research"**organized byInternal Quality Assurance Cellon 05.12.2023 to 12.12.2023 atSakthi College of Arts and Science for Women, Oddanchatram.

SEMINAR ATTENDED

- Participated in National Level Seminar on "**Intellectual Property Rights and Their Significance in Scientific Research"** organized by Amity University, Madhya Pradesh on 22.04.2025.

- Participated in National Level Seminar on **"Artificial Intelligence and Media"** organized by the Department of Visual Communication, St.Joseph's College (Autonomous), Tiruchirappalli on 01.10.2024.

WEBINAR ATTENDED

- Participated in the Webinar on **"Research Challenges in Cybersecurity: Navigating the Evolving Threat Landscape"** held on from 29'th August 2025, organized by the GEN AI Club of Presidency University, Bengaluru.

- Participated in the International Webinar on **"Academic Publishing Trends: What Editors Look For in 2025"** held on 16'th August 2025, organized by Skill Activate.

WORKSHOP ATTENDED

- Participated in Two days offline Workshop on **"Introduction to Embedded Systems and Robotics"** organized by e-yantra IIT Bombay, held at Sree Saraswathi Thyagaraja College, Pollachi on 05.11.2025 & 06.11.2025.

- Participated in Seven days online Workshop on "**Research Methodology & Publication Ethics"** organized by Star international Foundation for Research and Education, Thiruchencode on 05.03.2025 to 11.03.2025.

- Attended Three days International online workshop on **"Data Analysis using Google sheets

and AI Tools" organized by ISAR Institute for Statistics and Analytical Research, Chennai on 22.06.2024 to 24.06.2024.

INSTITUTIONAL CONTRIBUTIONS

- IIC Startup Member from 2024 to till date.

- Serving as the UMIS Supporting Coordinator for SF courses and as the Department UMIS Coordinator from 2024 to till date.

- Served as an "Active Placement Co-ordinator" during the Academic Year 2024 – 2025.

- Served as a Resource person in the Seven Days Offline Faculty Development Program on "Empowering Educators with POWER BI" organized by the Department of Computer Science with Data Analytics, Nallamuthu Gounder Mahalingam College, Pollachi, from 03.03.2025 to 12.03.2025.

- Served as a Resource person and delivered a session only for faculty members on "Infosys Springboard: Digital Learning Platform" at Nallamuthu Gounder Mahalingam College, Pollachi, on 7th February 2025.

- Act as a Mentor – Infosys Springboard Program, Successfully completed mentorship responsibilities and course requirements in Java Programming: Introduction, 43 students in 2025 March, providing guidance and support to complete throughout the course.

- Act as a Mentor – Infosys Springboard Program, Successfully completed mentorship responsibilities and course requirements in Fundamentals of Computer Networks, 44 students in 2025 March, providing guidance and support to complete throughout the course.

- Worked as a NAAC – Criterion 6 overall consolidation member at Sri G.V.G Visalakshi College for Women, Udumalpet.

- Guided as an M.Phil candidate as her research work at A Comparative Analysis of Digital Image Segmentation Algorithms with CT Liver Images to complete her research work at October 2019.

- Served as a IQAC member in Department of Information Technology at Vidyasagar College of Arts & Science, Udumalpet.

- Served as a YRC/RRC member at Vidyasagar College of Arts & Science (Jan 2015 to Dec 2021)

- Served as a Placement Committee Member in Department of Information Technology at Vidyasagar College of Arts & Science, Udumalpet.

CERTIFICATIONS

- Doing One Month course on "Prompt Engineering & GenAI Applications" on 25th July to August 28th.
- Successfully completed the "Decision Trees using Python" course on 6th June 2025.
- Successfully completed the "Artificial Intelligence: Types of Artificial Intelligence" course on 2nd June 2025.
- Successfully completed the "GenAI for Everyone" course on 2nd May 2025.

AWARDS & ACHIEVEMENTS

- Worked as a Mentor for the Infosys Internship Program, guiding a 50-hour class to successfully complete the project.

- Recognition of invaluable contribution and guidance as a Member of the National Advisory Board for the "International Conference on Research Trends in Computer Science, Technology, Data Science and Applications (ICRTCTDA-2025)" held at Vidyasagar College of Arts and Science, Udumalpet on 7'th February 2025.

- Received internal Research Project seed money amount of 30,000 from Nallamuthu Gounder Mahalingam College for the project titled "Smart Agriculture in IoT using Blynk Application" during the academic year 2024–2025.

- 11.03.2025 - Mrs.S.Saranya acted as a Resource person in Department of Data Analytics in 6 days FDP Programme at Nallamuthu Gounder Mahalingam College, Pollachi.

- 7.2.2025 – In recognition of invaluable contribution and guidance as a Member of the National Advisory Board for the "International Conference on Research Trends in Computer Science, Technology, Data Science and Applications (ICRTCTDA-2025)" held at Vidyasagar College of Arts and Science, Udumalpet.

- Participated High Range Book of World Record event of Most People Singing Thiruvasagam Muttrothal (Group) Udumalpet on 27'th October 2024.

- Availed Half day of Casual leave and 4 days of on-duty leave (OD) during the academic year 2024–2025, ensuring regular participation in academic and institutional responsibilities.

STUDENT-CENTRIC ACTIVITIES

- Served as a project guide for final year students, providing academic and technical guidance throughout their project work during the academic year 2024 - 2025.

- Served as a mentor for 2024 batch students, guiding them in academic planning, time management, and utilization of campus resources from 2024 to till date.

- Integrated **ICT tools** such as Google Classroom, LCD Projector, YouTube, interactive presentations, and game-based learning to enhance student learning and engagement.

- Completed certification programs through Coursera and Infosys Springboard in the areas of Computer Networks, Java Programming, Cybersecurity, and Artificial Intelligence.

- Conducted **Remedial Classes.**

- **Re**viewed and documented the **results of the classes handled** during the academic years.

- Conducted a summer camp for school students, organized by the Department of Computer Science with AI & ML, to enhance their awareness and interest in Artificial Intelligence technologies. Successfully facilitated the completion of an Infosys Springboard course on AI for 40 participating students.

PROJECTDETAILS

- Completed Infosys Internship Project Entitle "KnowMap: Cross-Domain Knowledge Mapping Tools" and "BotTrainer: NLU Trainer and Evaluator for Chatbots". The Technology used was Artificial Intelligence.

- Completed Seed Money Research project Entitled **"Smart Agriculture System in IoT using Blynk".**

- Project title :LZW Algorithm Implementation (JAVA)
Description: Random access and partial decoding can be done efficiently on compressed text with a few modifications to the LZW algorithm and then compressed text can be Decompressed using Dictionary.

- Project title: Filtering Framework for Joint-Video Tracking and Pose Estimation (C#.Net

and SQL Server)

Description: The video sequences focus on the problem of tracking and pose estimation of an object directly from images, and present a particle filtering approach to estimate both tracking and pose parameters. Mainly used for spy cameras.

- Research work – Efficient Visual Query based Historic Video Sequence Extraction using Naïve Bayesian Classifier and Spatial Relationship

EXTRA-CURRICULAR

- Tutorship more than 8 years.

STRENGTH

- Capacity for Time Management Skill.
- Capacity for Team Working Skill

HOBBIES

- Blogging.
- Surfing in the net regarding Journals and Paper Publications.
- Playing games (Ball Badminton).
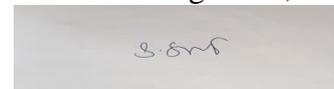- Interested in listening Music, Painting, Designing & Hearing music

DECLARATION

I hereby confirm that the information given above is true to the best of my knowledge.

Date   : 19.01.2026   Signature,

Place   : Udumalpet   (Saranya.S)