

RESUME

D. SURENDIRAN MUTHUKUMAR

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Vickramasingapuram-627425,
Ambasamudram (Tk),
Tirunelveli (Dt).



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Career objective

To achieve the highest standard in my career through innovation and dedication and simultaneously contribute to the growth process of organization.

Personal Skills

Excellent analytical and quantitative skills along with good oral and written communication skills, willingness to learn, leadership qualities and good attitude towards team work and common goal.

Educational Qualification

DEGREE	ORGANIZATION	YEAR OF PASSING	% OF MARKS OBTAINED
PhD	Kalasalingam Academy of Research and Education	Pursuing	Pursuing
M.E (CSE)	Gojan School of Business and Technology Chennai	2015	6.72(CGPA)
B. TECH (IT)	Anna University of Technology Tiruchirappalli	2011	66
DEEE	Shankar Polytechnic College - Tirunelveli	2008	94.3
SSLC	St.Mary's Hr.Sec. School- V.K. Puram	2005	89.4

Technical qualification

Languages known	: c, c++, java, php, Embedded c.
Operating system worked	: windows7, UNIX.
Database	: MS-Access, SQL.

Area of interest

- Teaching.
- Research
- Software testing.
- Voice process

Achievements

- Conducted National workshop on “**BASICS OF PYTHON FOR HIGHER EDUCATION LEARNING**” held at Dr. M. G. R Educational and research Institute University, Maduravoyal, Chennai.
- Attended Workshop on “**SOFTWARE TESTING METHODOLOGIES**” held at Anna University Tiruchirappalli.
- Participated in the National Conference on Blooming Techniques in IT, and Presented a Paper on “**DISTRIBUTED COMPUTING**” held at Pavender Bharathidasan college of engineering Tiruchirappalli.
- Participated in the exhibition of **INNOVAUT** organized by Innovation club of Anna University Tiruchirappalli.
- Secured 100% of marks in **mathematics** in 10th standard.

Experience

- Worked as a **CIE** in reliance BPO from 20th June 2011 to 18th April 2012.
- Worked as a **Lecturer** in Aalim Muhammed Salegh polytechnic college, Avadi from 1st June 2012 to 31st May 2013.
- Worked as a **Lecturer** in Aalim Muhammed Salegh polytechnic college, Avadi from 1st June 2015 to till 9th February 2018.
- Worked as a Programming Trainer (part time) in Vel Computer Education, ambattur Chennai from 14th March 2015 to till 31st December 2019.
- Worked as a **Research Consultant** in Dr.M.G.R educational and research Institute University, Maduravoyal, Chennai. From 13th February 2018 to 20th June 2019.
- Worked as a **Senior Lecturer** in Thai Moogambigai polytechnic college (**Group of Dr.M.G.R educational and research Institute**) Chennai from 21st June 2019 to 15th July 2022.
- Worked as a **Research Consultant** (Part time) in Dr.M.G.R educational and research Institute University, Maduravoyal, Chennai. From 20th November 2020 to 15th July 2022.
- Working as an **Assistant Professor** at Kalasalingam academy of research and education, Krishnan Koil, Srivilliputhur, from 27th July 2022 to till date.

Subjects handled

- **Algorithm for intelligence system and Robotics (IBM)**
- **Design and Analysis of Algorithm**
- **Object oriented programming with java**
- **Data Structure using ‘c’**
- **Software Engineering**

PUBLICATIONS:

- **D. Surendiran Muthukumar**; P. Deepa Lakshmi “A Systematic Analysis on Active Federated Learning Network in Healthcare Industry “ 2024 5th International Conference on Data Intelligence and Cognitive Informatics (ICDICI) | DOI: 10.1109/ICDICI62993.2024.10810760. [\[Scopus Indexed\]](#).
- Swapna B.; Kamalahasan M.; Kavitha G.; Sujitha M.; **SurendiranMuthukumar D.**; Bhuvaneswari S. “Design and Development of Autonomous and Unmanned Vehicles for Submarine Applications” 2024-07-22 | Book chapter - DOI: 10.4018/979-8-3693-0683-3.ch014 [\[Scopus Indexed\]](#).
- Swapna, B.; Venkatesan, R.; Taskeen, F.; Indrapriya, K.; Manjula, D.; **Muthukumar D.S.** “Scalable Deep Learning for Categorization of Satellite Images “7th International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud), I-SMAC 2023 – Proceedings 2023 | Conference paper - DOI: 10.1109/I-SMAC58438.2023.10290437. [\[Scopus Indexed\]](#).
- Dr.B.Swapna; Bhuvaneswari.S; SujithaMadhavadas; KavithaGanesan; **SURENDIRAN MUTHUKUMAR D**, “Novel and Optimized Efficient Transmission Using Dynamic Routing Technique for Underwater Acoustic Sensor Networks” Engineering Proceedings 2023-12 | Journal article | DOI: 10.3390/engproc2023059089. [\[Scopus Indexed\]](#).

Project Summary 1

Renewable Energy Powered Autonomous Smart Ocean Surface Vehicle (REASOSE)

Role : Programmer

Environment : Embedded C, HTML, JavaScript

Funded by : NSTL Vizh & Dr.M.G.R Educational and research Institute University

Description : Developed a project on Arduino based Autonomous Surface Water Vehicle with high definition live transmitted camera serves for coastal surveillance, deep sea monitoring and so on. The GPS module is also interfaced with the microcontroller to track the location of boat traveled.

Project Summary 1

Development of Underwater Bio Mimics Robot for Naval Surveillance Application

Role : Programmer

Environment : Embedded C with Arduino controller

Funded by : IIT, Indore

Description : Developed a project on Arduino based Autonomous Underwater Bio Mimics Robot which will stimulate the behavior of fish, The bio-mimic robotic underwater equipment integrated with obstacle avoidance for cruising makes the system inevitable. This Robot can be used for Surveillance, Seabed Network Mapping, Naval Scanning of Underwater resources

Personal details:

Name	:	Surendiranmuthukumar. D
Father Name	:	Deva Asirvatham .P
Date of Birth	:	14/06/1990
Marital Status	:	Married
Gender	:	Male
Languages Known	:	Tamil & English
Nationality	:	Indian

I hereby confirm that the above particulars are true to the best of my knowledge and belief.

PLACE: Tirunelveli

Yours Sincerely,

DATE:

D.Surendiran Muthukumar